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1891

THE MEYER-SNIFFEN CO. LIMITED

NOS. 46 AND 48 CLIFF STREET

NEW YORK

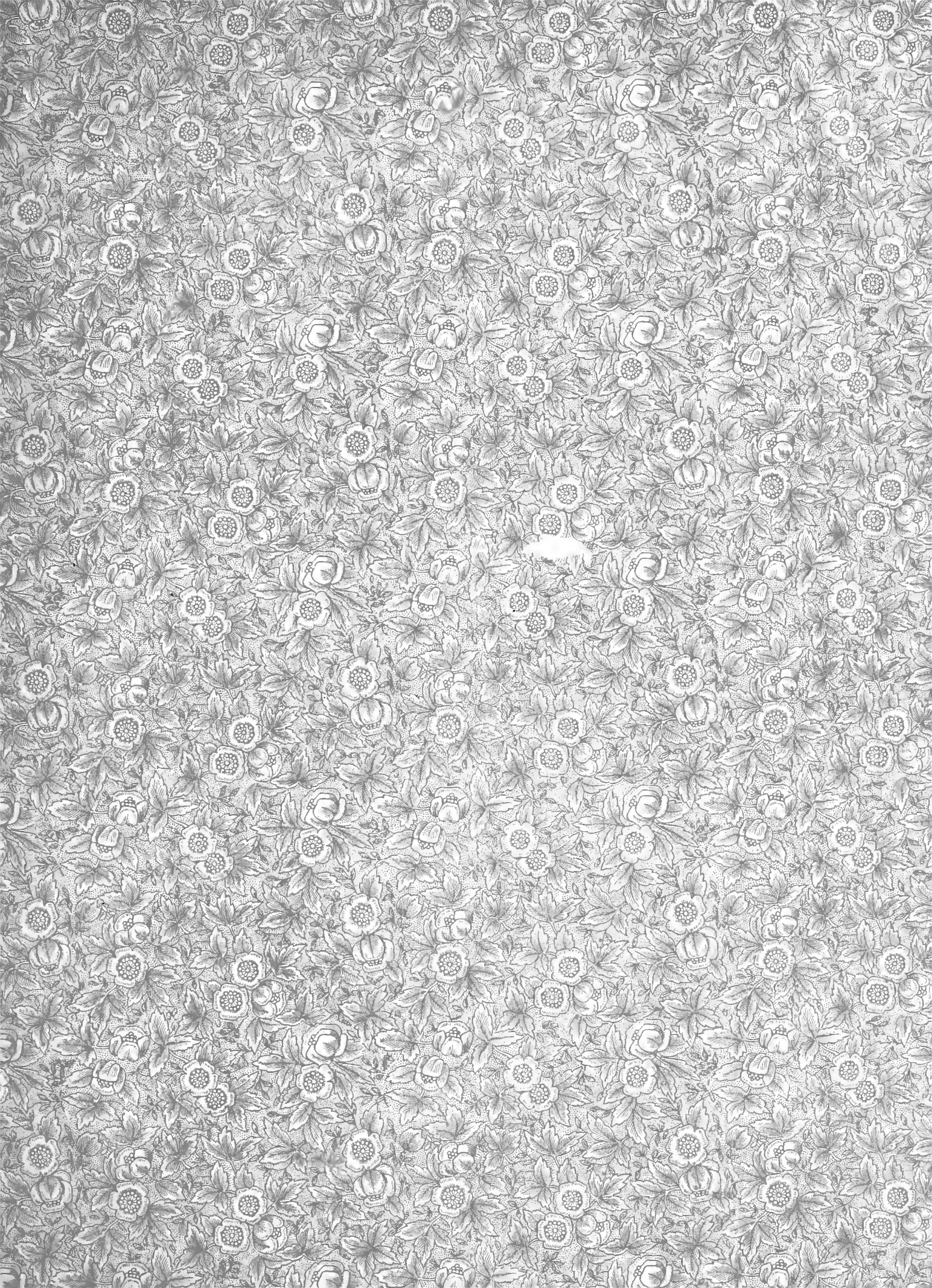
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ILLUSTRATED CATALOGUE

“C”

THE MEYER-SNIFFEN CO. LIMITED

46 AND 48 CLIFF STREET

BRANCH SHOWROOMS:

NO. 1 PEMBERTON SQ., BOSTON

NO. 1033 WALNUT ST., PHILA.

NEW YORK



MANUFACTURERS AND IMPORTERS OF

SANITARY SPECIALTIES

AND

SUPERIOR BRASS-WORK

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INTRODUCTION.

APPROVED Plumbing Appliances, such as are used in the best modern practice, are so varied in character and construction, that we, at considerable expense, issue this catalogue "C," for the convenience of those who either plan or execute plumbing work; the intention being to illustrate and describe, in a concise manner, the line of appliances manufactured and sold by us for use in the plumbing of buildings.

The illustrations show the combinations that are usually furnished together to form a complete apparatus, and will, it is hoped, enable those interested to make any desired selections.

These combinations are, however, only types of those that may be made from the various styles of fittings and appliances that we supply with baths, water-closets, showers, basins, etc., and though a selection may be readily made by reference to the plate numbers, we invite correspondence on this subject where special arrangements are required.

The experience of a quarter of a century, added to a modern plant and skilled craftsmen, gives us unexcelled facilities for manufacturing an unsurpassed grade of goods, and for furnishing to order special fittings and appliances that may be required in the best modern practice in this branch of sanitary engineering.

In calling attention to the following illustrations, intended to show, so far as possible, the mechanical and structural details of our various manufactures, we desire to emphasize the fact that no illustrations, however skillfully the engraver's and printer's art may be employed, can adequately indicate the advantages of fine workmanship in every detail and part of a sanitary appliance.

Yet this careful workmanship is of the utmost importance to secure the satisfactory working of any apparatus, and it is the attention and labor expended on every mechanical detail of our various specialties that has secured for our manufactures the reputation they have acquired. A critical examination and comparison, therefore, with other appliances said to be similar (and, as illustrated, apparently so,) is urgently requested. Such an examination of actual apparatus will show existing differences that more than justify the apparent difference in price.

In conclusion, we respectfully ask intending buyers to be careful when specifying or ordering goods of our manufacture to give the number of the apparatus, and also the plate number, as shown on the succeeding pages, thus: "The Meyer-Sniffen Co.'s Apparatus No. —, Plate No. —." This course is calculated to obviate any possible misunderstanding on the part of contractors or even by ourselves, in filling orders.

Respectfully,

THE MEYER-SNIFFEN CO., LIMITED.

NEW YORK, April 1, 1891.

THE "ROYAL" PORCELAIN BATHS.

FOR the past twelve years we have imported from the famous potteries of Rufford & Co., Stourbridge, England, a large number of their baths.

Experience with the "ROYAL" PORCELAIN BATH justifies us in claiming great superiority over any other make of bath that is *molded* and *glazed* in one piece. In a sanitary point of view too much can hardly be said in favor of their use. The manufacturers, who are the pioneers in this industry, have profited by over thirty years' experience, and are, without doubt, producing the most perfect article of its kind in the world. It is absolutely non-absorbent, being composed of a peculiarly hard body and a glazing that is unsurpassed even in much smaller articles of other manufacture.

The body being of the nature of a fire-brick is a good non-conductor of heat, and consequently the bath requires but little, if any, more hot water than an ordinary tub. The glazing is made of the world renowned Royal Worcester Clay.

THE "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH.

GLAZED INSIDE AND OUT

PLATE 1—C.

PLATE 1—C, consists of the "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH, Glazed *inside* and *out*, with Supply Fittings and "Capitol" Waste, Polished Brass, Nickel or Silver-Plated, and Marble Feet.

Size of Bath: Length, 5 feet 6 inches; width, 2 feet 7 inches; depth inside, 1 foot 7 inches.

Space necessary for the fittings at back, 3 feet 1 inch. If preferred, fittings may be located at either end, same as fitted to Bath in Plate 6—C, this will require a space 6 feet at least in length and 2 feet 7 inches wide.

THE "ROYAL" PORCELAIN GLAZED RIM BATH.

GLAZED INSIDE AND OUT.

PLATE 2—C.

PLATE 2—C, consists of the "ROYAL" PORCELAIN GLAZED RIM BATH, Glazed *inside* and *out*, 5 or 5½ feet long, with Supply Fittings and "Capitol" Waste, Polished Brass, Nickel or Silver-Plated and Marble Feet.

For Measurements and Sectional view, see page 13.



PLATE 1-C.

THE "ROYAL" PORCELAIN ROMAN BATH, GLAZED INSIDE AND OUT.

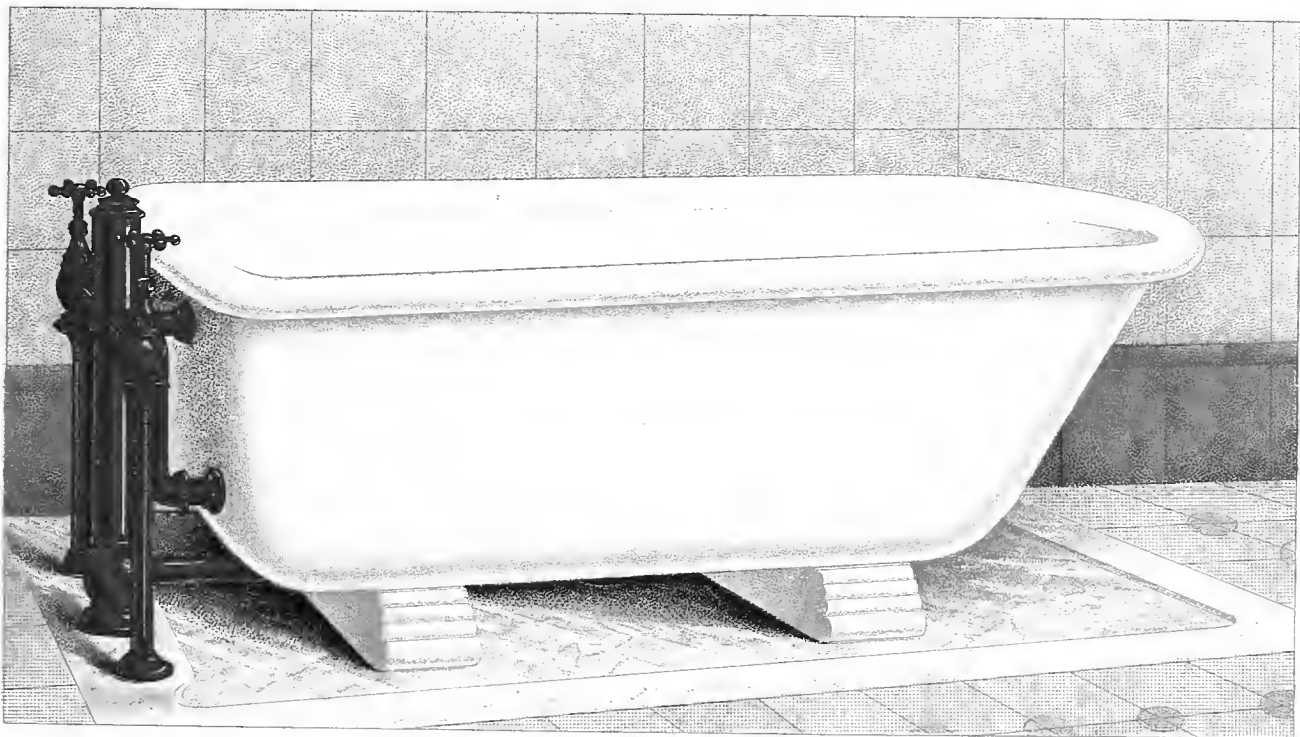


PLATE 2-C.

THE "ROYAL" PORCELAIN BATH, GLAZED INSIDE AND OUT.

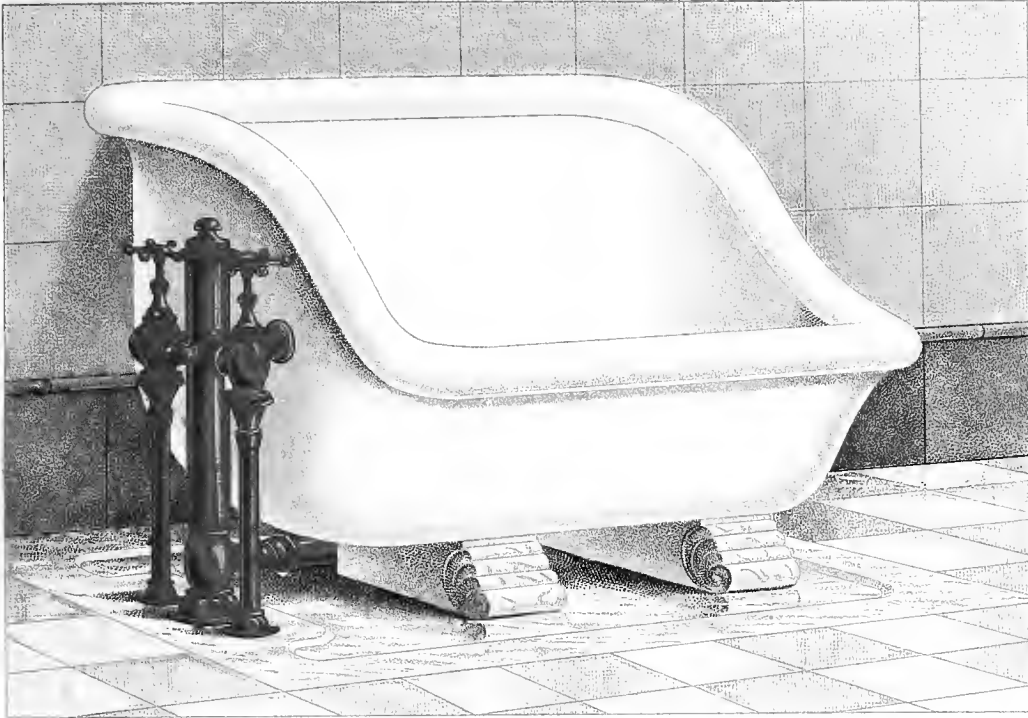


PLATE 3—C.

THE "ROYAL" PORCELAIN SITZ BATH, GLAZED INSIDE AND OUT.

PLATE 3—C, consists of the "ROYAL" PORCELAIN SITZ BATH, Glazed *inside and out*, with Marble Supports, "Capitol" Waste and Brass Supply Pipes, all polished, nickel, or silver plated.

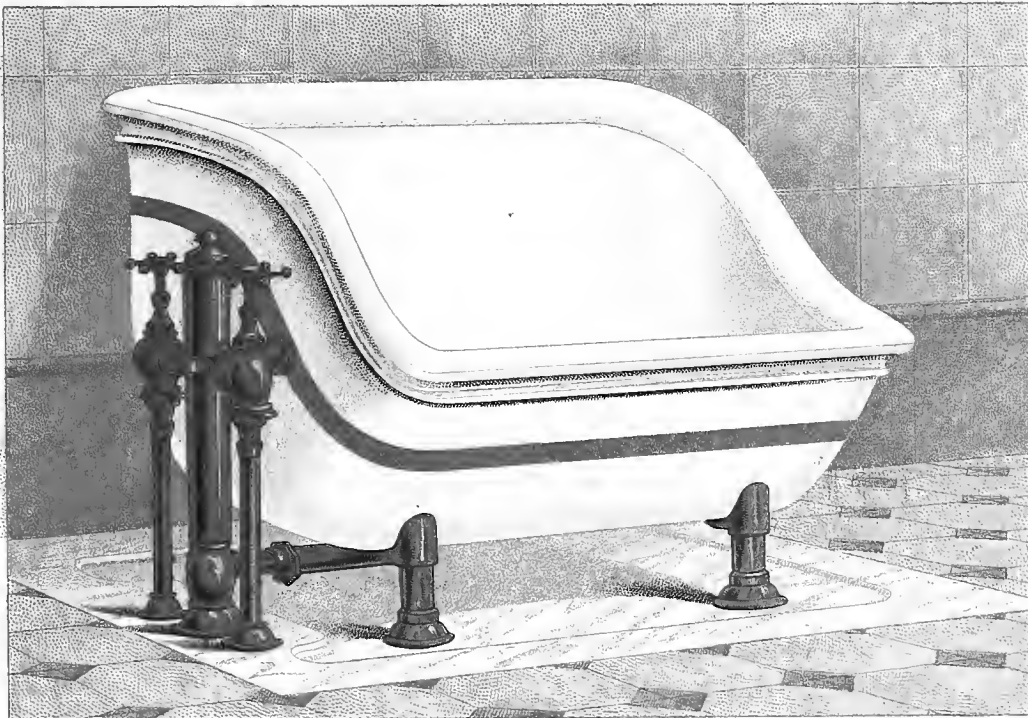


PLATE 4—C.

THE "ROYAL" PORCELAIN SITZ BATH, DECORATED OUTSIDE IN IVORY TINT, WITH GOLD BAND.

PLATE 4—C, consists of the "ROYAL" PORCELAIN SITZ BATH, with Glazed Rim, decorated outside in Ivory, with gold band. "Capitol" Waste, Brass Supply Pipes and Legs, all polished, nickel or silver plated.

THE ROMAN "ROYAL" PORCELAIN GLAZED RIM BATHS.

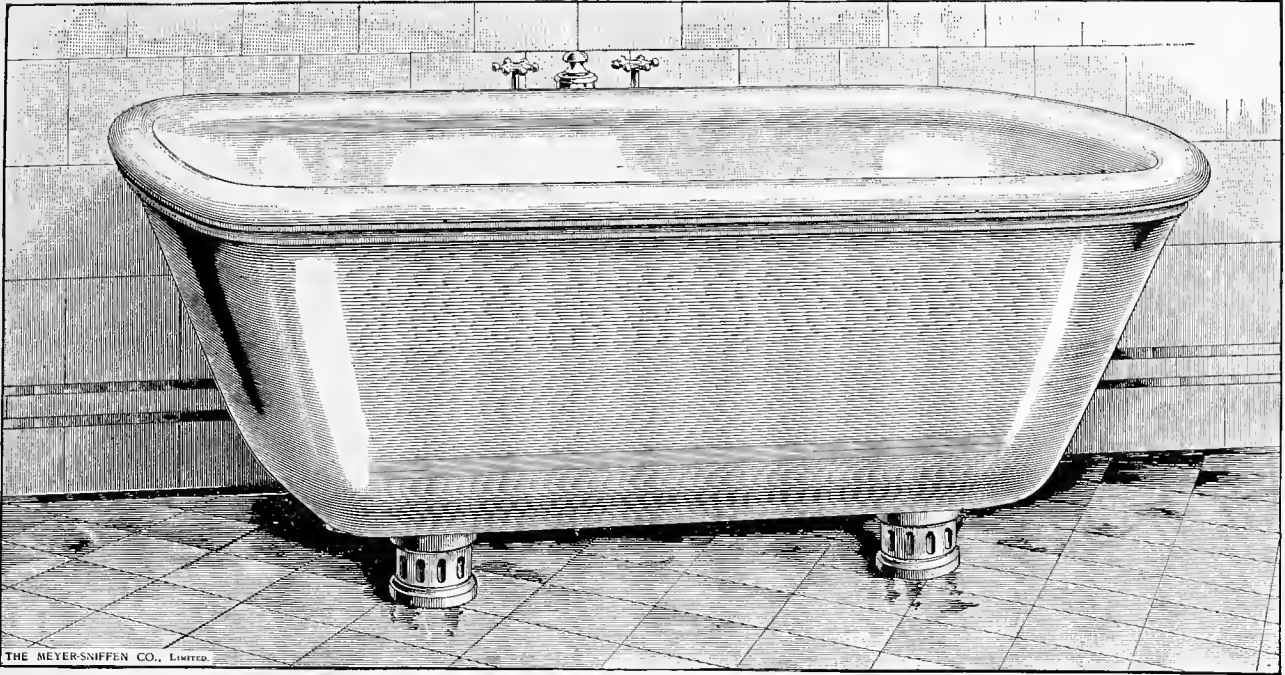


PLATE 5-C.

PLATE 5-C, consists of the ROMAN "ROYAL" PORCELAIN GLAZED RIM BATH, with supply fittings and "Capitol" waste at the back, and porcelain feet.

Space necessary for fittings at the back from wall to front of bath, 3 feet 1 inch.

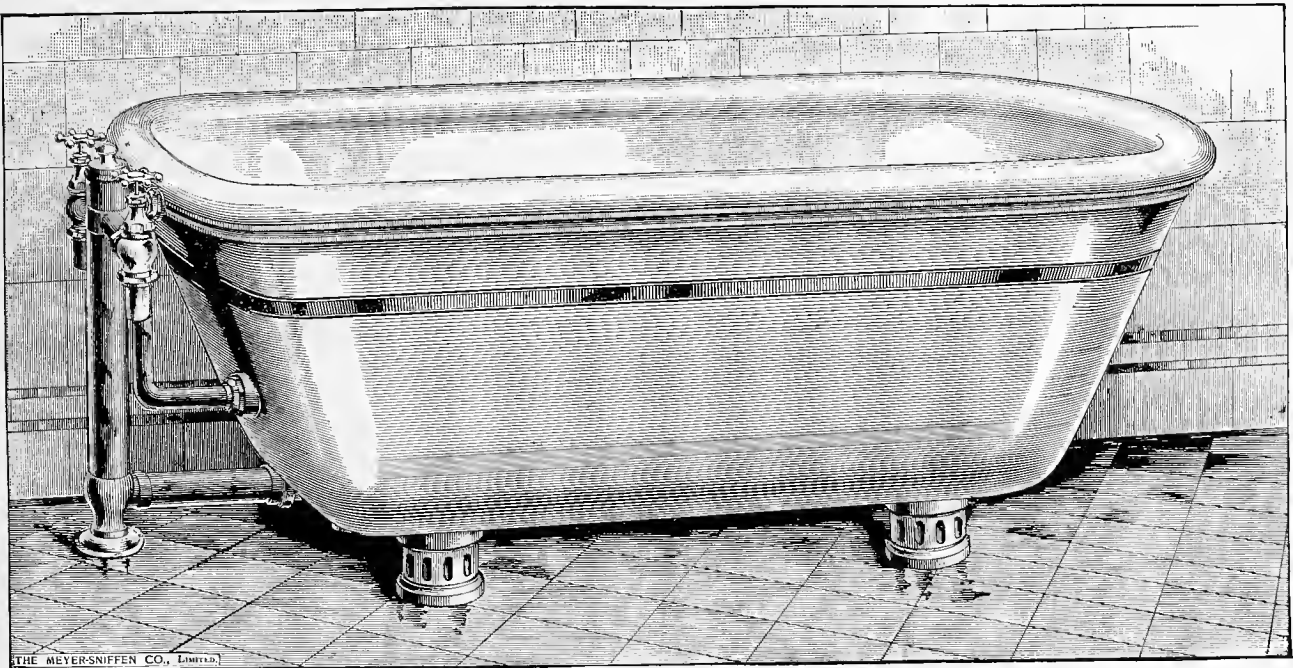


PLATE 6-C.

PLATE 6-C, consists of the ROMAN "ROYAL" PORCELAIN GLAZED RIM BATH, with supply fittings and "Capitol" waste at the end, and porcelain feet.

Size of Bath: Length, 5 feet 6 inches; width, 2 feet 7 inches; depth inside, 1 foot 5 inches. Length, including fittings at the end, 6 feet.

Plate 6-C, shows the bath decorated outside in ivory with gold band.

THE "ROYAL" PORCELAIN GLAZED RIM BATH.

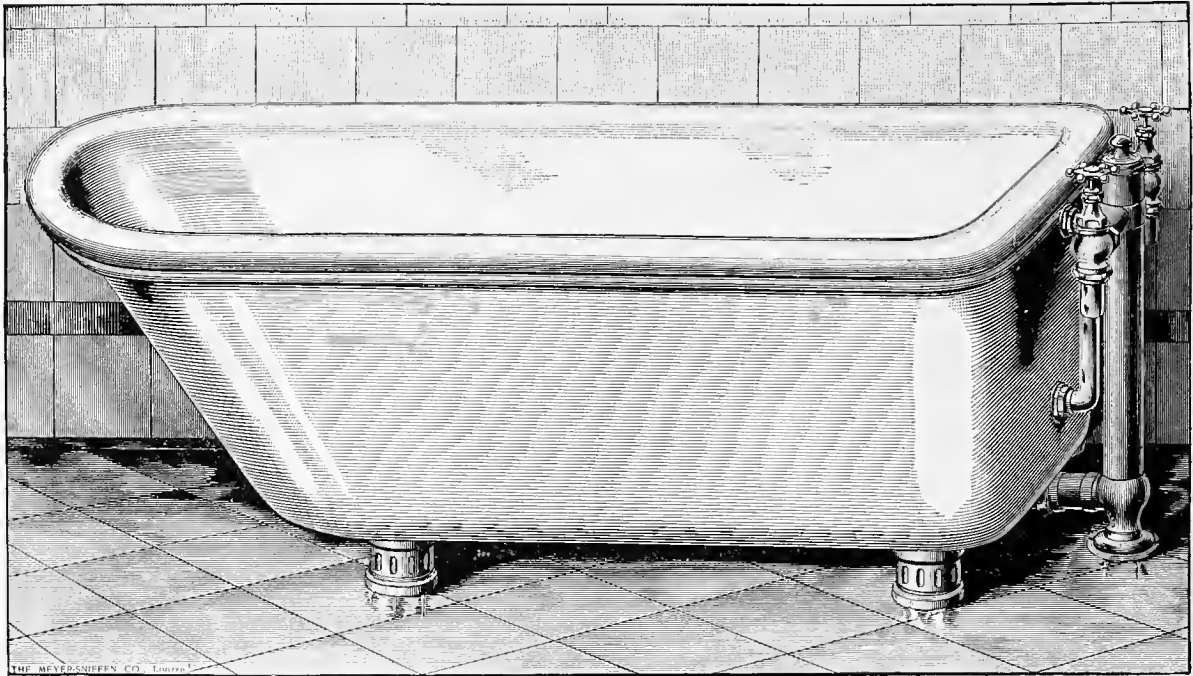


PLATE 7—C.

PLATE 7—C, consists of the "ROYAL" PORCELAIN GLAZED RIM BATH, including feet, as shown, with supply fittings and "Capitol" Waste, furnished in polished brass, nickel or silver plated.

For dimensions, see opposite page.

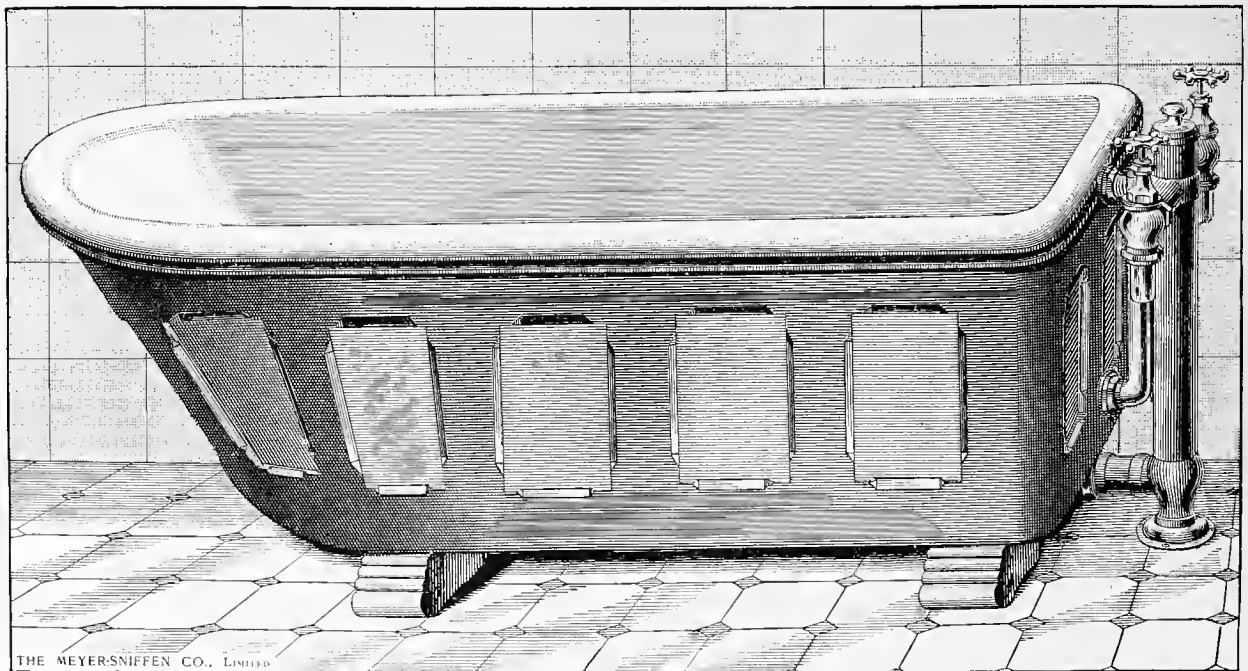
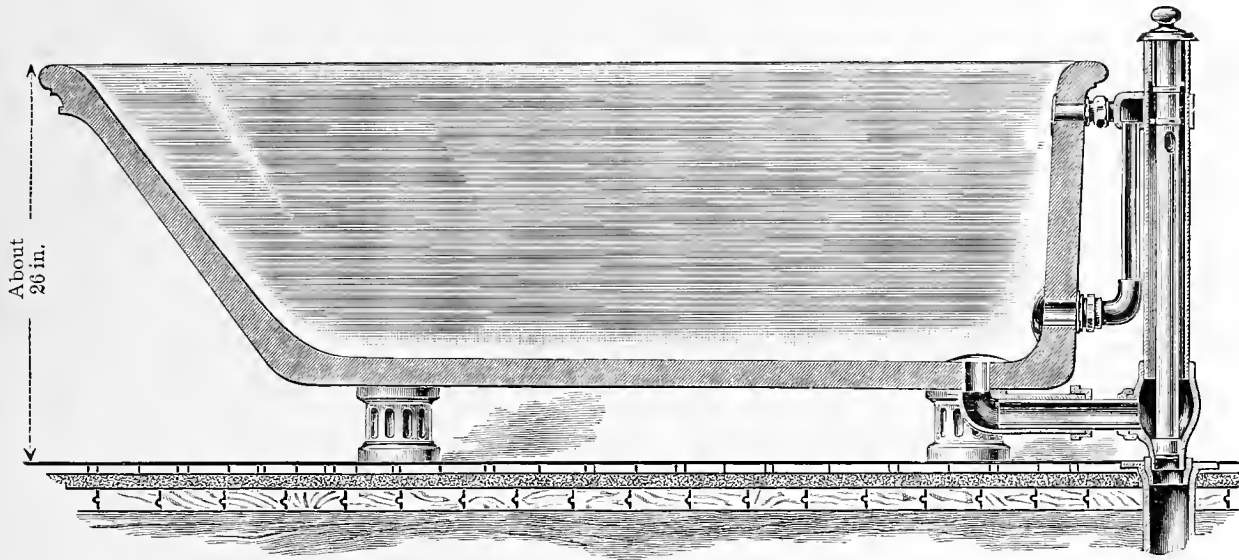


PLATE 8—C.

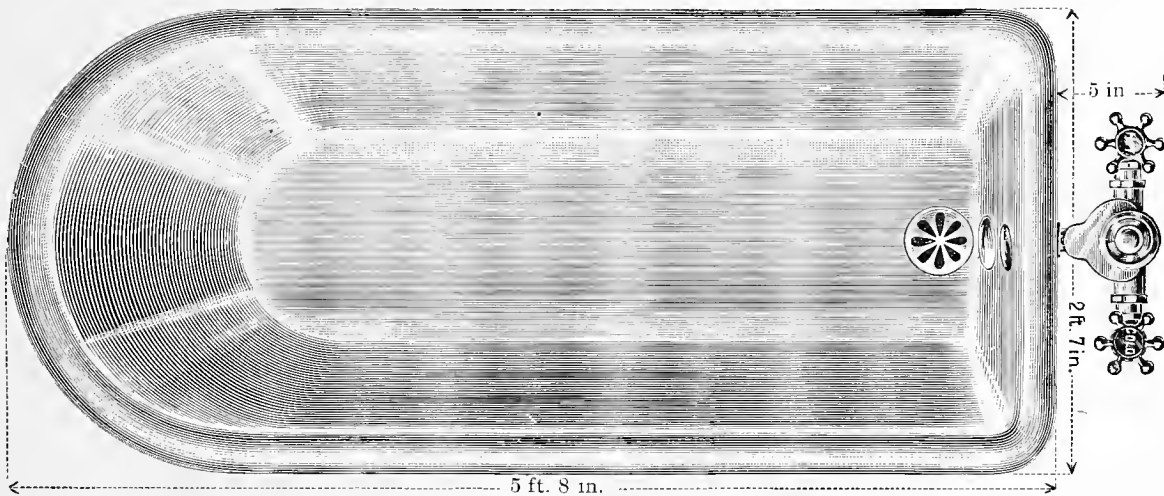
PLATE 8—C, consists of the "ROYAL" PORCELAIN GLAZED RIM PANELED BATH, and marble feet, with supply fittings, and "Capitol" Waste, furnished in polished brass, nickel or silver plated.

Sizes : 5½ feet and 5 feet.

THE "ROYAL" PORCELAIN GLAZED RIM BATH.

About
26 in.

SECTIONAL ELEVATION OF PLATE 7-C.



PLAN OF PLATE 7-C.

The length varies an inch or more on account of the uneven shrinkage in manufacture. The dimensions given are for a 5½ ft. Bath; and the width and height are, with slight variation, the same for the different lengths.

We have three sizes, 5 feet, 5½ feet, and 6 feet long, respectively.

"ROYAL" PORCELAIN GLAZED RIM BATH,
WITH COMBINED NEEDLE SPRAY, SHOWER AND DOUCHE.
PATENTED.

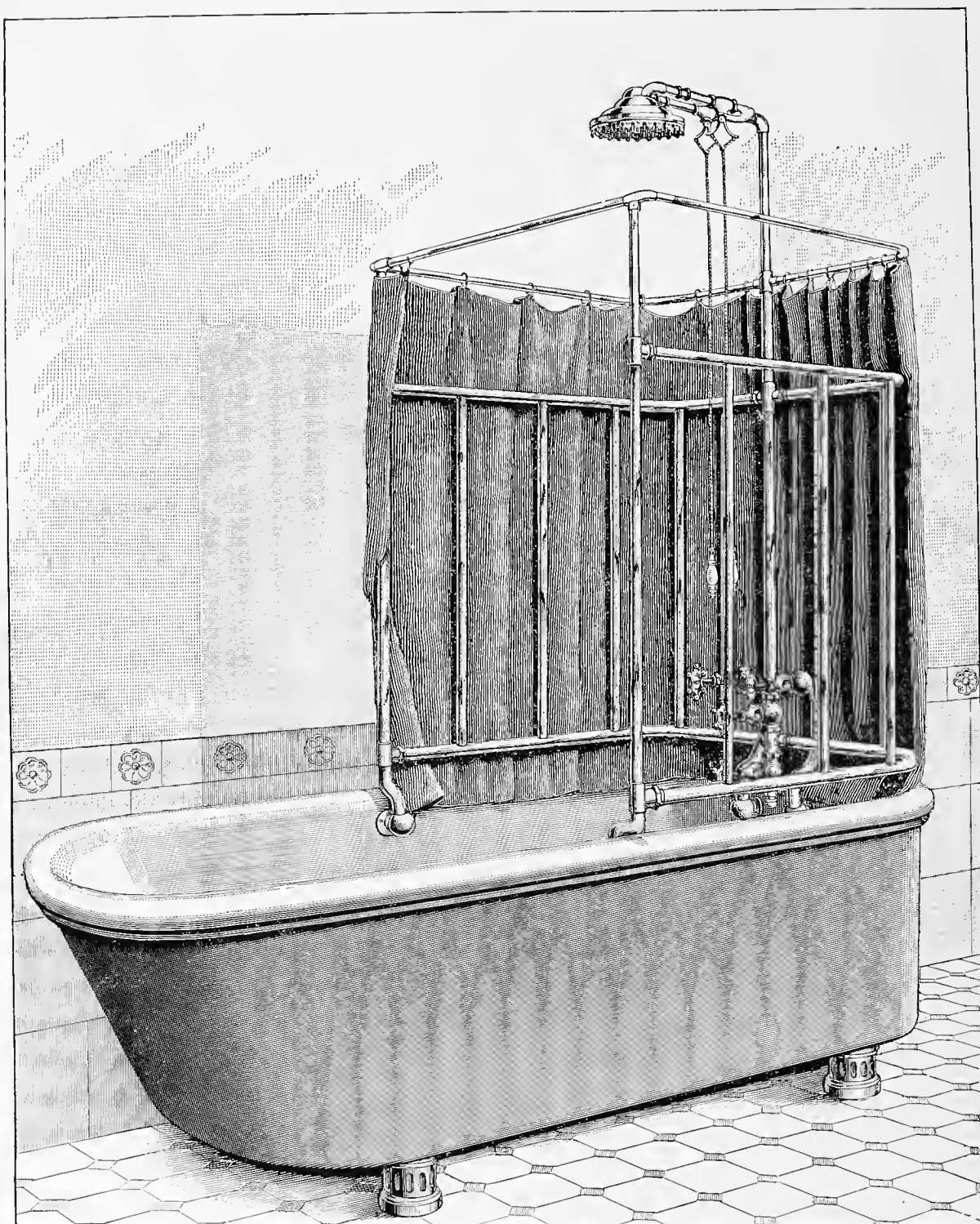


PLATE 92-C.

The illustration shows a "ROYAL" PORCELAIN GLAZED RIM BATH, with combined *Needle Spray*, Shower and Douche, with Rubber Curtain to hang within the tub. The arrangement is very simple, the hot and cold water, when the valves are open, enter the central upright pipe, which acts as a mixing chamber; the lower valve admits water to the nozzle to fill the Bath and test the temperature. On opening the spray valve the water enters all the vertical pipes simultaneously, which are perforated, forming an unique needle spray. When the water is in the mixing chamber a pull of one of the handles will give a shower or a douche bath. When not in use the curtain can be slipped out of the way. This arrangement is a most complete addition to the plunge bath. A shower, douche or needle spray bath is often desired, and may be had at once without waiting to fill the tub.

For sizes and measurements of Bath see page 13. Extreme height of shower from floor, 8 feet 3 inches.

THE "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH.

WITH COMBINED NEEDLE SPRAY, SHOWER AND DOUCHE.

PATENTED.

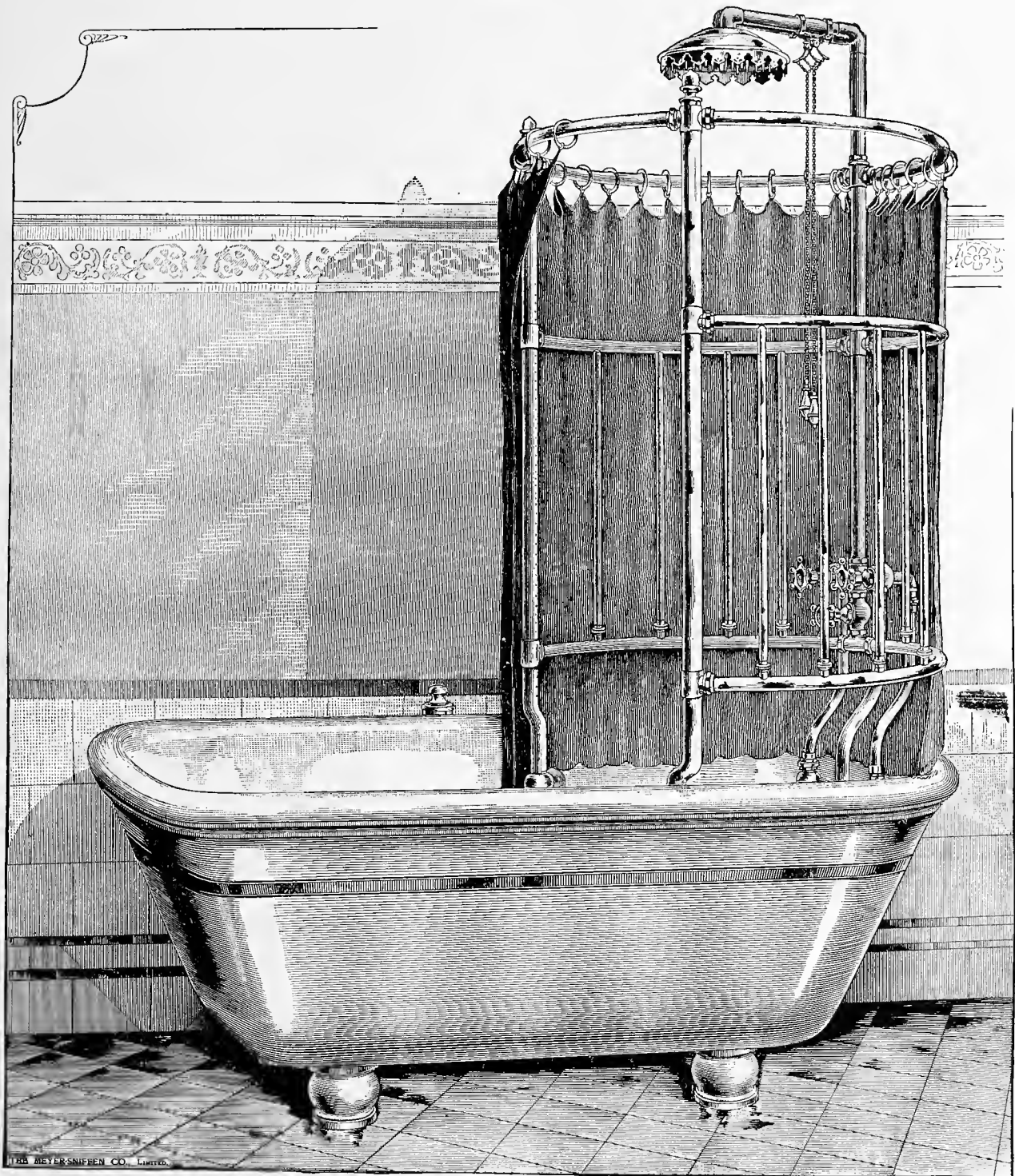


PLATE 10-C.

The illustration shows a "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH, fitted up complete with NEEDLE SPRAY, shower, douche, and rubber curtain; supply fittings, "Capitol" waste and feet, finished outside in ivory and gold band.

This arrangement is the most complete addition to the "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH, as illustrated in PLATE 5-C.

Size of bath: Length, 5 feet 6 inches; Width, 2 feet 7 inches; Depth inside, 1 foot 5 inches.

THE "ROYAL" PORCELAIN GLAZED RIM BATH.

WITH

SHOWER, HAND SPRAY, RING AND RUBBER CURTAIN AND AUTOMATIC REGULATING VALVE.

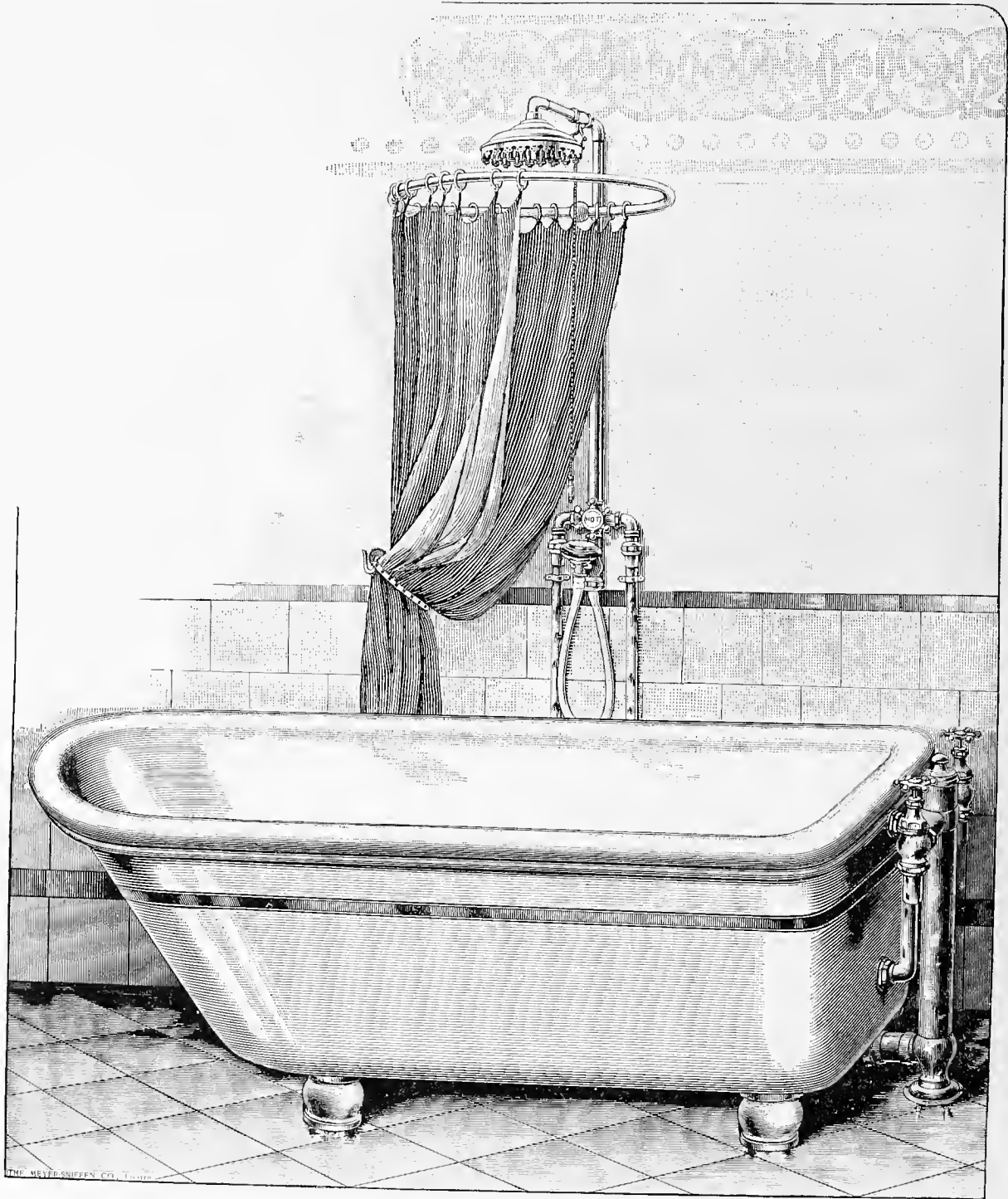


PLATE 11-C.

The illustration shows the addition of the Shower Bath and Hand Spray or Shampoo, with Automatic Regulating Valve to Plate 7—C, and also shows the bath tub finished outside in ivory, with gold band. The arrangement of the shower supply pipes, is such that the bather can regulate the temperature by turning the "Hot" valve only (see description of Automatic Shower Apparatus, Page 37).

For sizes and measurements of bath, see page 13.

THE "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH,
WITH SHOWER AND HAND SPRAY, RING AND RUBBER CURTAIN,
AUTOMATIC REGULATING VALVE FOR SHOWER AND HAND SPRAY.

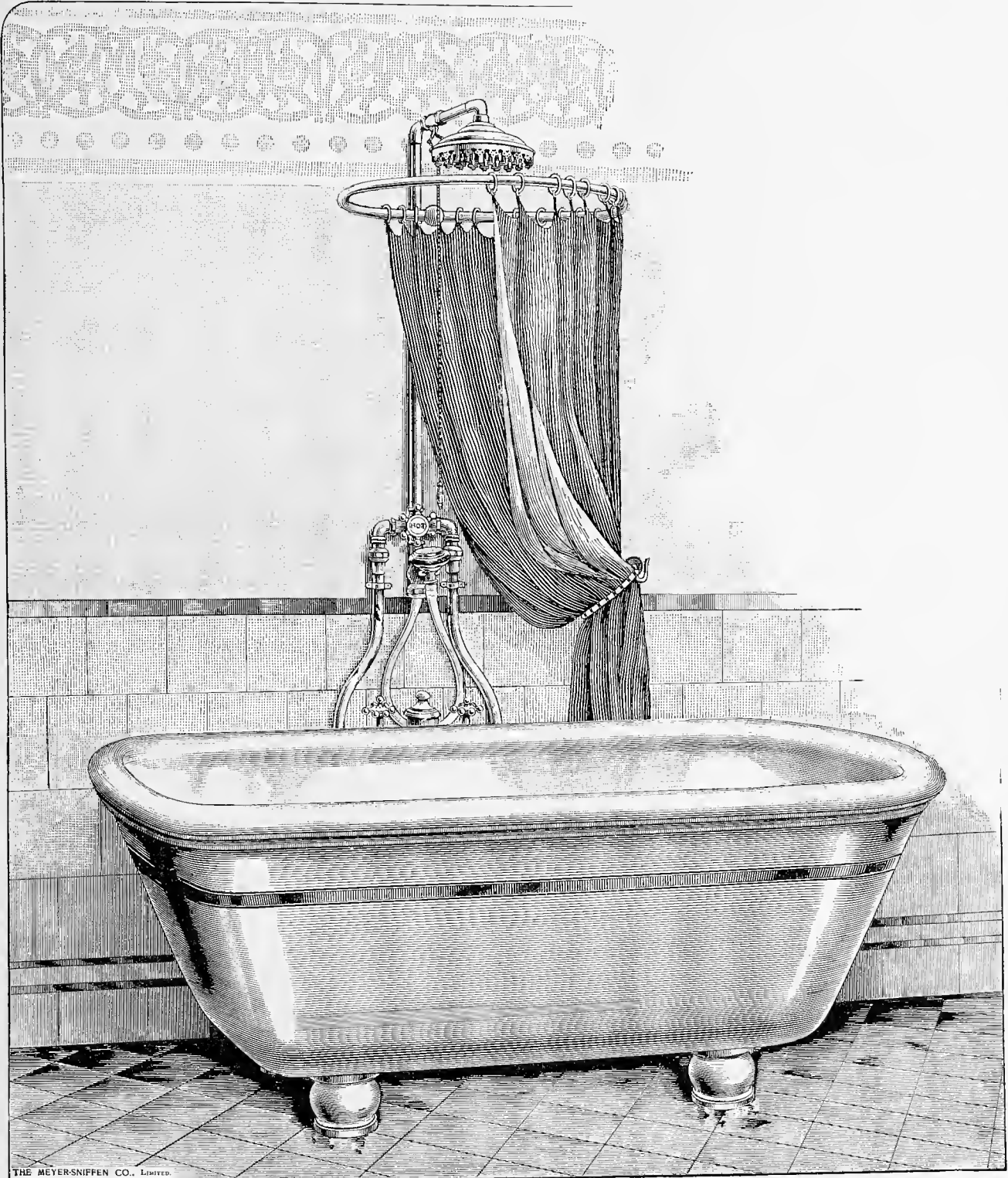


PLATE 12-C.

The Illustration shows the "ROYAL" PORCELAIN GLAZED RIM ROMAN BATH, with supply fittings and "Capitol" waste at back, porcelain or marble feet, and shower apparatus including shower and hand spray, ring and rubber curtain, automatic regulating valve. Bath finished outside in ivory, with gold band.

For description of Automatic Valve, see page 37. For dimensions of bath, see page 11.

THE "ROYAL" PORCELAIN GLAZED RIM BATH,
WITH HAND SPRAY.

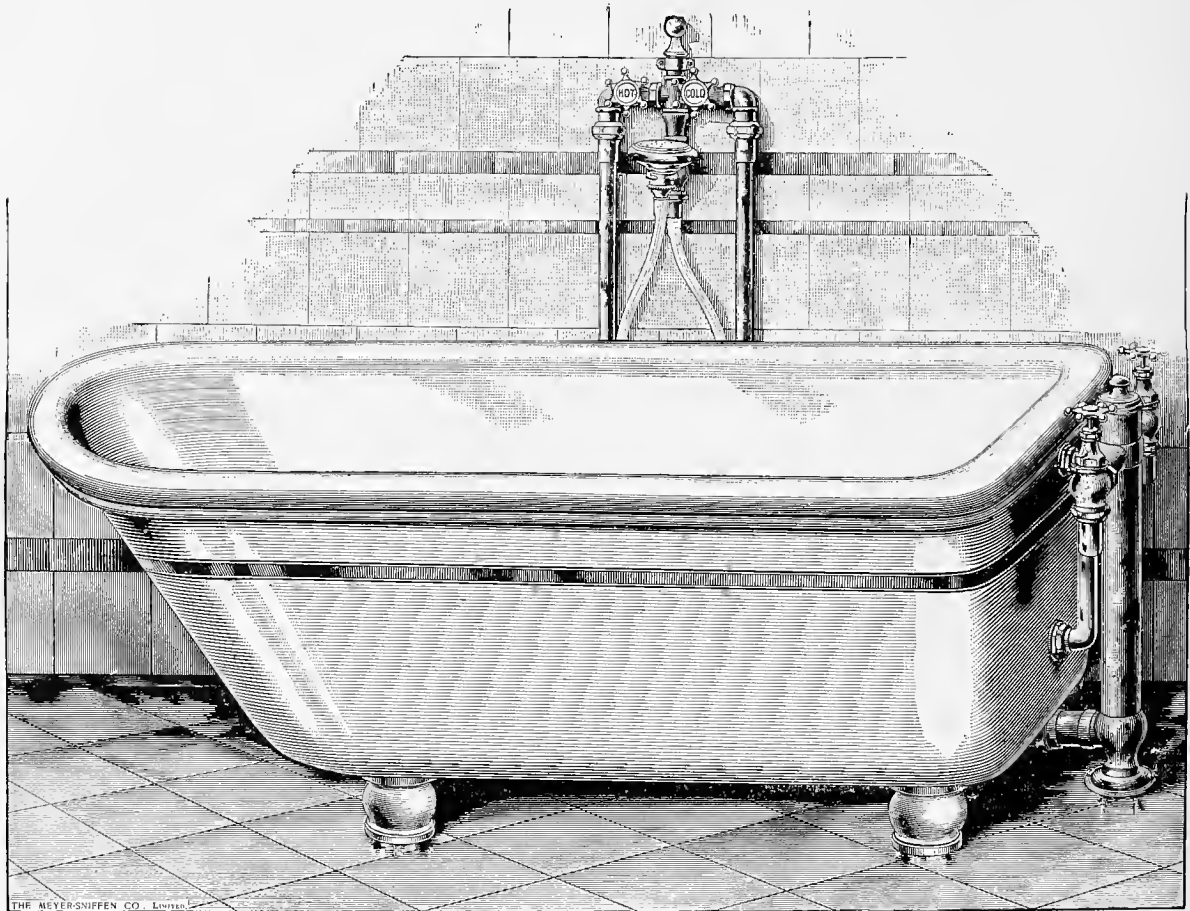


PLATE 13-C.

PLATE 13-C, consists of the "ROYAL" PORCELAIN GLAZED RIM BATH, with Supply Fittings and "Capitol" Waste, porcelain feet, and Hand Spray attachment at the back.

The illustration shows the Bath decorated outside in Ivory with Gold Band. For sizes and measurements, see Page 13.

If Automatic Regulating Valve for hand spray is preferred, it will be furnished instead of the one illustrated. See Plate 41½-C, Page 37.

THE ROMAN "ROYAL" PORCELAIN GLAZED RIM BATH.

WITH HAND SPRAY.



PLATE 14—C.

PLATE 14—C, consists of THE ROMAN "ROYAL" PORCELAIN GLAZED RIM BATH, with porcelain feet, supply fittings and "Capitol" waste at back and hand spray attachment.

If Automatic Regulating valve supply for hand spray attachment is preferred, it will be furnished instead of the one illustrated. See Plate 40½—C, Page 37.

Dimensions of Bath : 5 feet 6 inches long ; 2 feet 7 inches wide, outside ; 1 foot 5 inches deep, inside. Necessary space from wall to front of bath for fitting supply pipes and "Capitol" waste, 3 feet 1 inch.

THE "ROYAL" ALBERT PORCELAIN BATH.

FRENCH SHAPE.

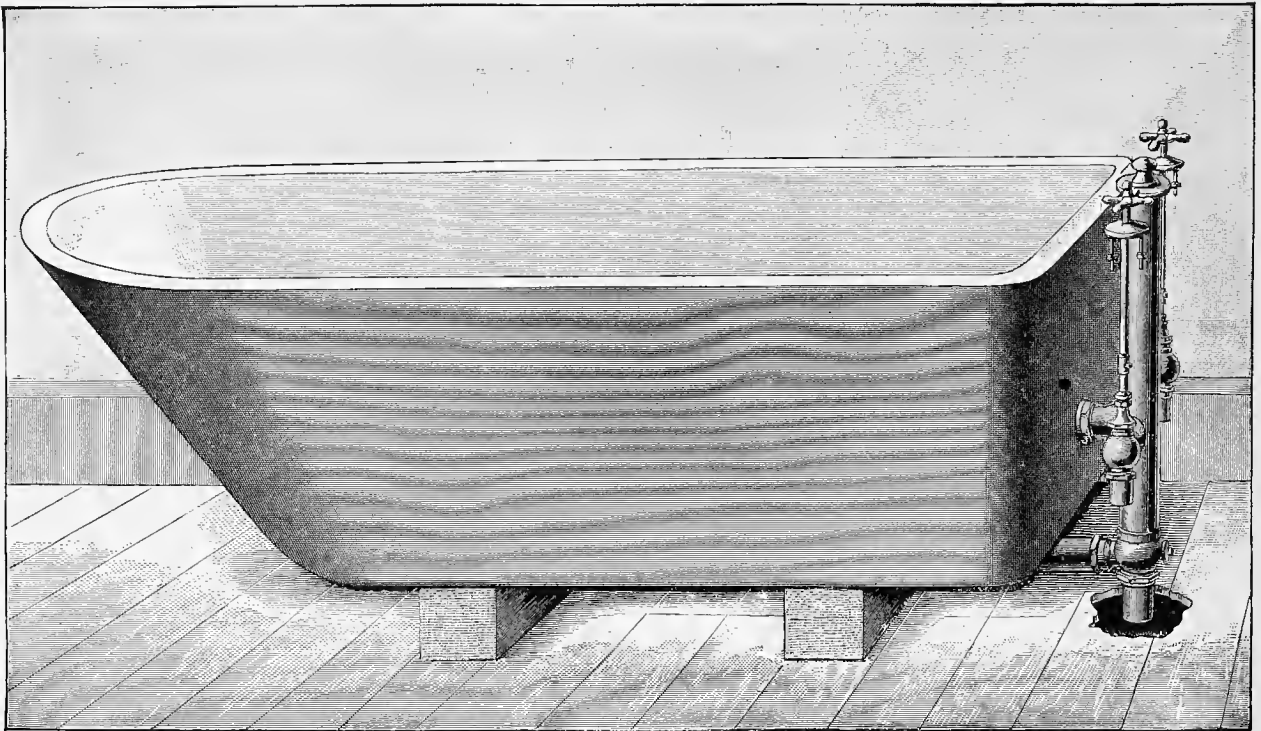


PLATE 15-C.

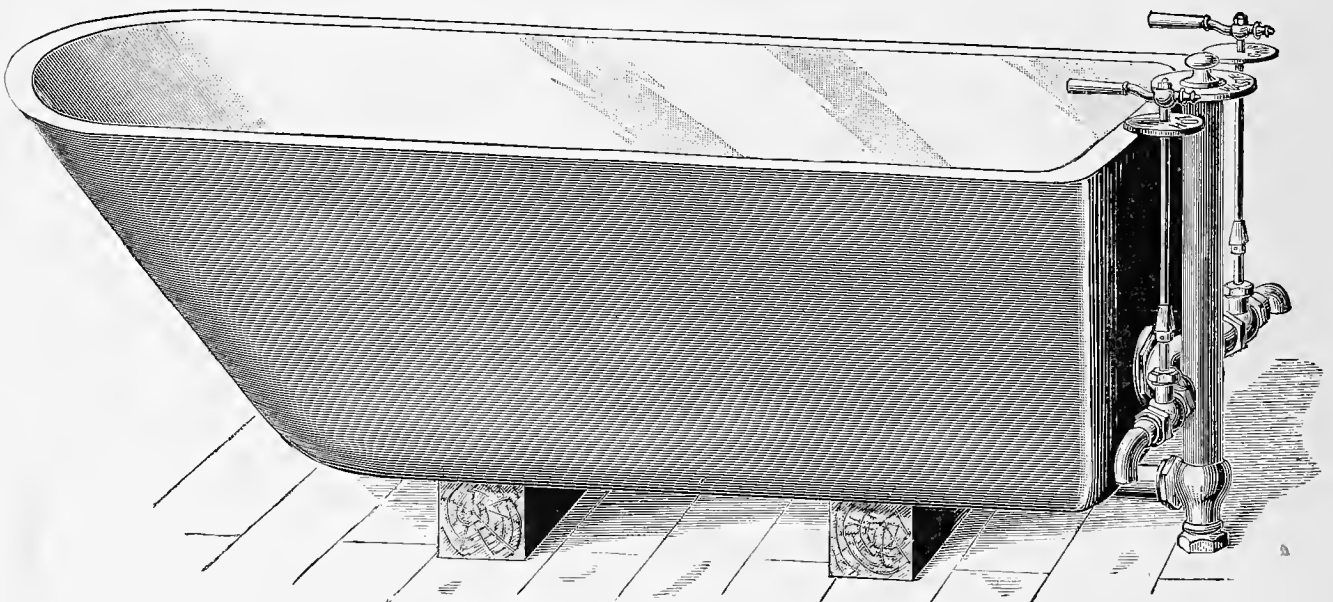
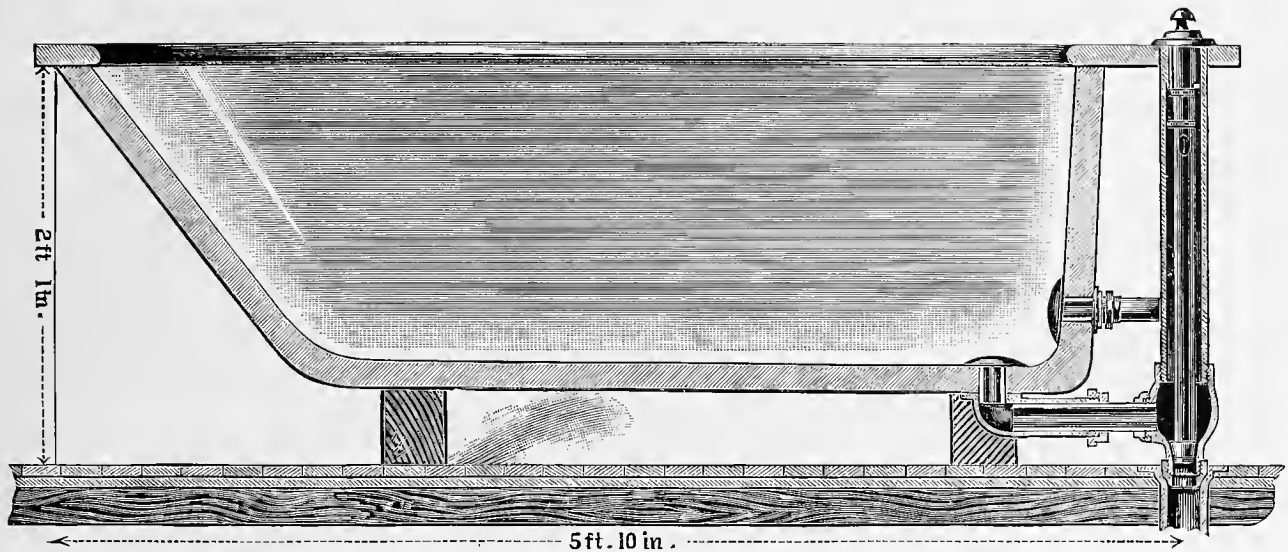


PLATE 16-C.

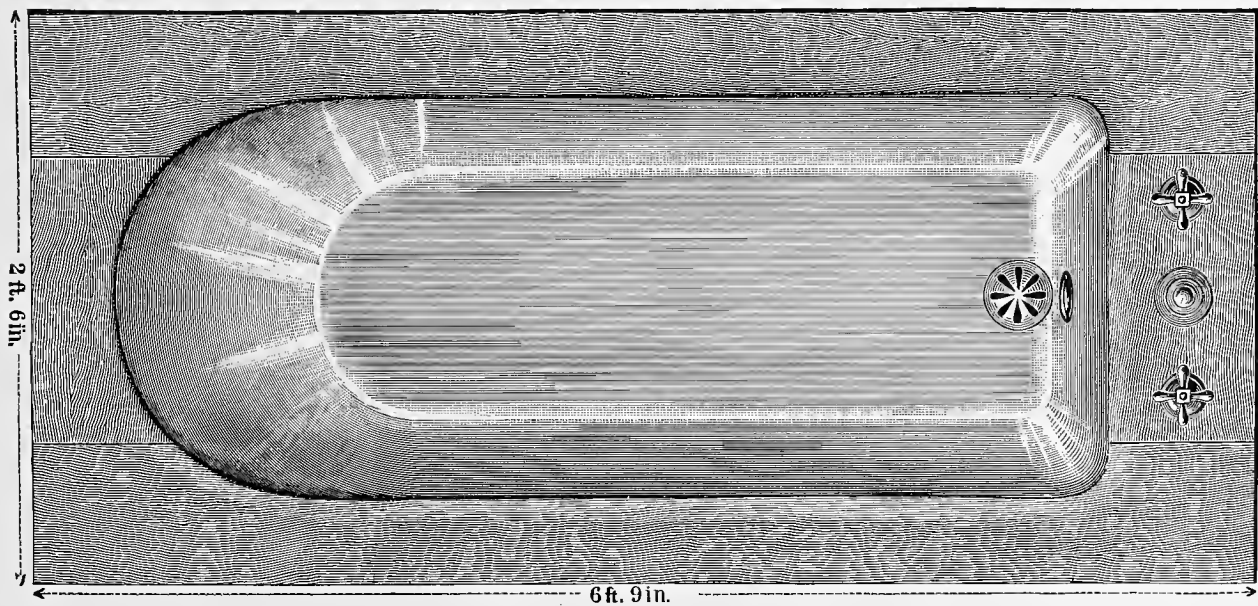
The illustrations show the "ROYAL" ALBERT PORCELAIN BATH complete, with supply fittings and "Capitol" waste and overflow. Plate 15—C shows valves with 4-arm handles. Plate 16—C is exactly the same, except the "FULLER" cock is used instead of valves. The water is supplied through a bell inlet (see sectional view, page 21). Great care is taken to furnish perfect and durable fittings. As the above baths are intended to be encased, the handles and flanges only are finished, and are furnished in polished brass, nickel or silver plated.

Three sizes: $5\frac{1}{2}$ feet, 5 feet, and $4\frac{1}{2}$ feet.

THE "ROYAL" ALBERT PORCELAIN BATH.



SECTIONAL ELEVATION OF PLATE 15-C AND 16-C.



PLAN OF PLATE 15-C (VIEW LOOKING INTO THE TUB WHEN ENCASED).

The dimensions given above are for a $5\frac{1}{2}$ -FOOT BATH where there is ample room. The *least* space required for this size bath, with fittings, as illustrated, is 6 feet. Width over capping may be reduced 1 inch.

Three sizes: $5\frac{1}{2}$ feet, 5 feet, and $4\frac{1}{2}$ feet.

THE "ROYAL" PORCELAIN BATH.

FRENCH SHAPE.



PLATE 17-C.

This illustration shows a "ROYAL" PORCELAIN BATH, same as Plate 15—C, except that the supply is arranged to fill by a curved nozzle over the edge; with this a hose and hand needle spray attachment is furnished, a desirable addition to the apparatus.

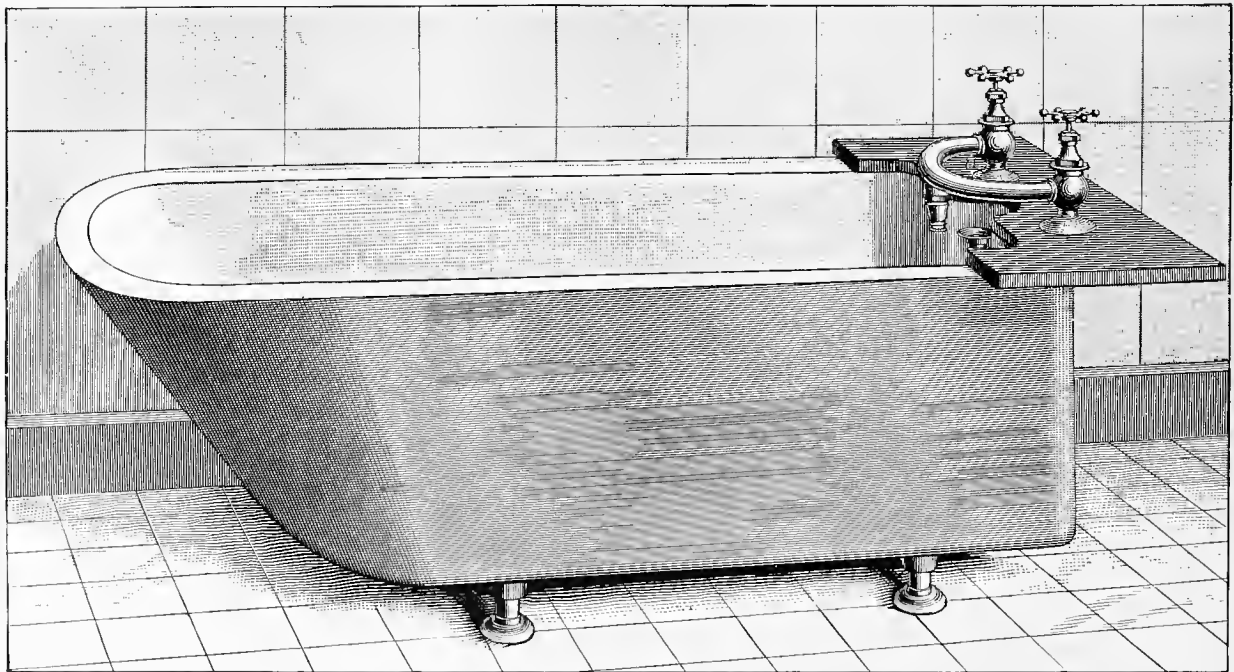


PLATE 18 C.

This illustration shows a "ROYAL" PORCELAIN BATH, with a recess or niche for the overflow stand pipe (Rapid Transit Waste). A double valve supply is provided, with a curved nozzle, hose and hand needle spray attachment.

From a sanitary point of view, much can be said in favor of the standing overflow (Rapid Transit Waste), and with the recess in the PORCELAIN BATH makes a perfect sanitary fixture.

THE "ROYAL" PORCELAIN SITZ BATH.

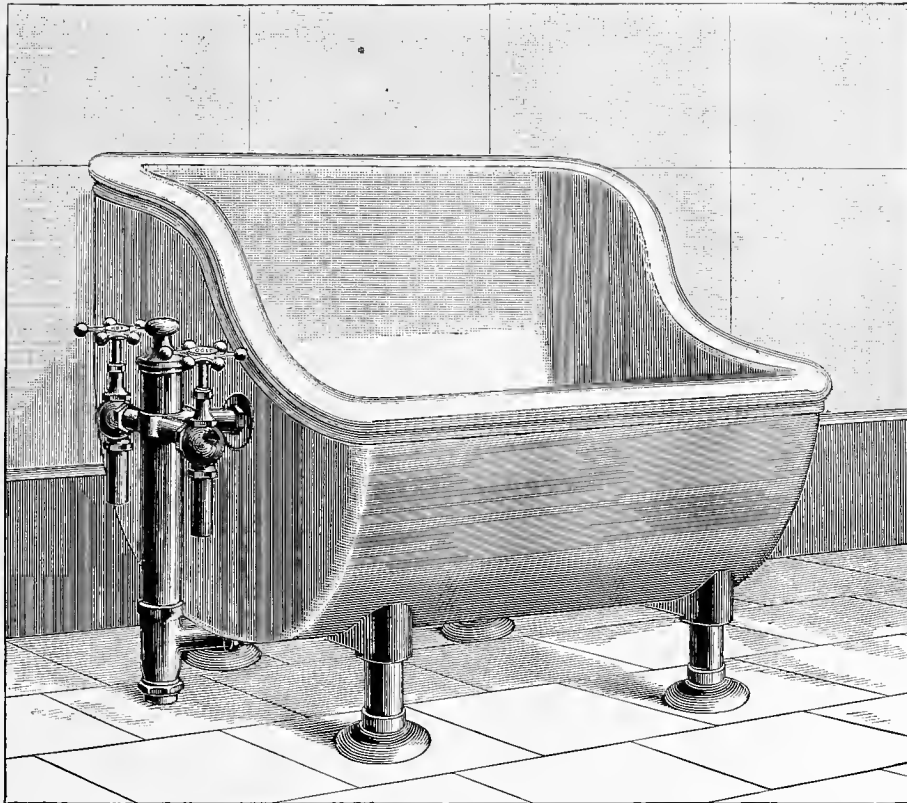


PLATE 19-C.

"ROYAL" PORCELAIN GLAZED RIM SITZ BATH, with supply fittings, "Capitol" waste and overflow, brass legs, and all fittings polished brass, nickel or silver plated.

This Bath is perfectly glazed to the outer edge of the rim. The outside is smooth, capable of being finished in keeping with the bath-room. Unquestionably the finest Sitz Bath in the market. Equally adapted for use as a foot bath.

We can now furnish this Bath *glazed inside and out*, unquestionably the most perfect thing of its kind made.

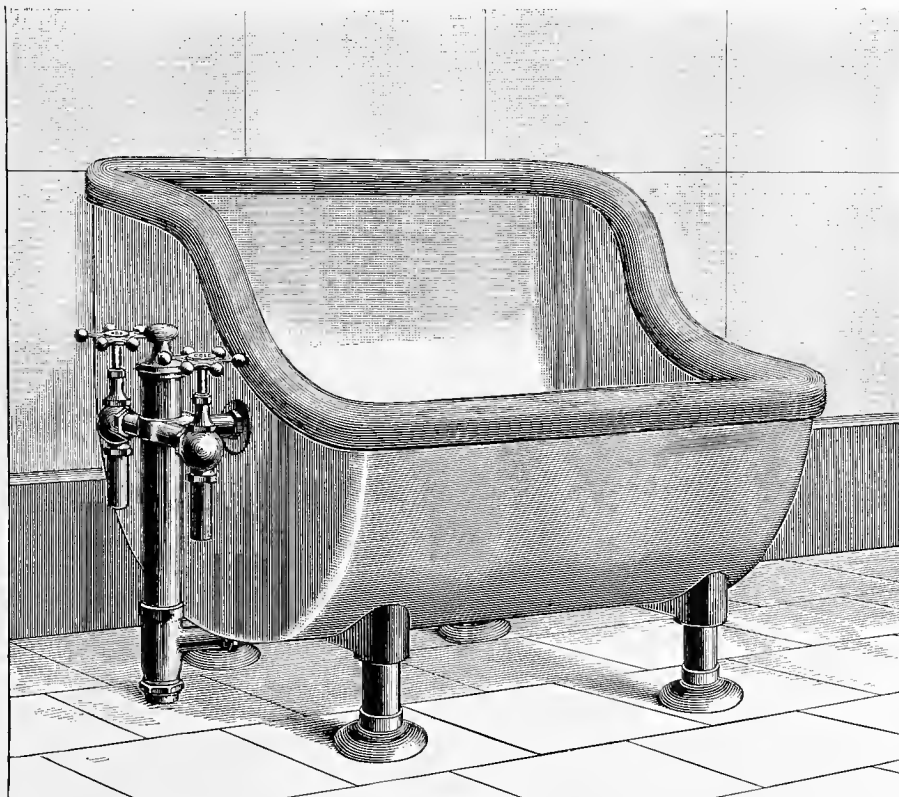


PLATE 20-C.

The "ROYAL" PORCELAIN SITZ BATH, with supply fittings, "Capitol" waste and overflow, fitted with hardwood rim. Brass legs, and all fittings polished brass, nickel or silver plated. In all respects the same as Plate 19-C, except the rim, which is of wood, and which by some is thought preferable. Outside dimensions of Plates 19-C and 20-C: length, 25 inches; height at front, 17 inches; height at back, 22 inches; length over fittings, 29 inches; width, 25 inches.

THE "ROYAL" PORCELAIN GLAZED RIM SITZ BATH.

WITH SPRAY AND WAVE ATTACHMENTS.

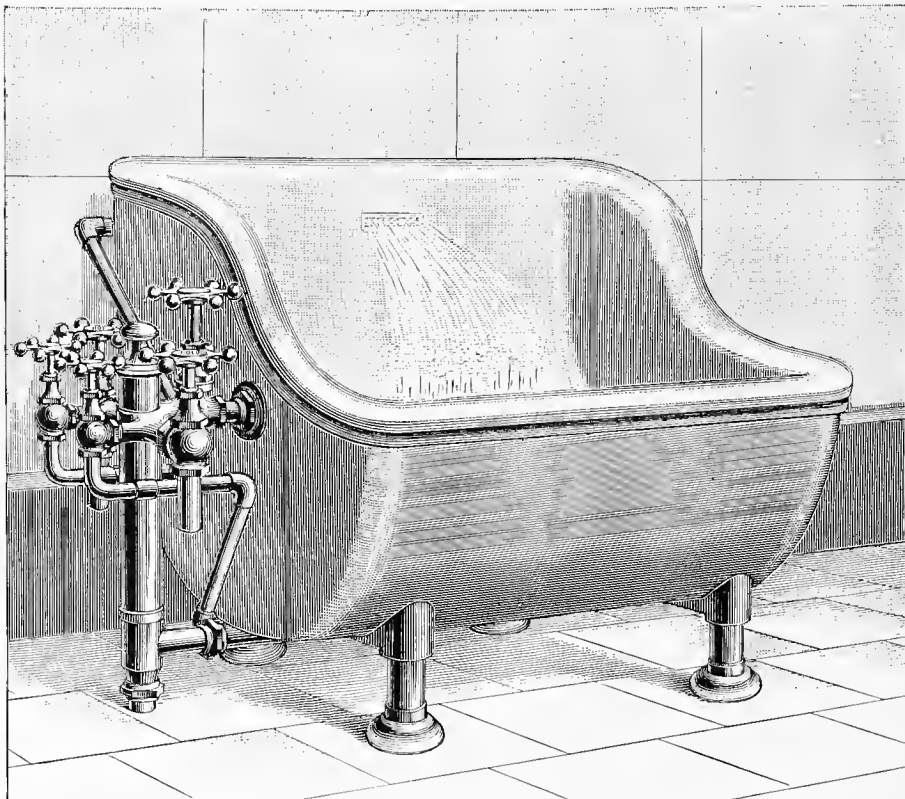


PLATE 21-C.

OUTSIDE DIMENSIONS: LENGTH OVER FITTINGS, 2 FEET 10 INCHES; LENGTH OF TUB, 25 INCHES; HEIGHT AT FRONT, 17 INCHES; HEIGHT AT BACK, 22 INCHES; WIDTH, 23 INCHES.

The "ROYAL" PORCELAIN GLAZED RIM SITZ BATH, with supply fittings, "Capitol" waste and overflow, fitted with spray and wave attachments. The hot or cold water valve or both may be opened and a regulating valve turned which leads to the spray or wave, or to fill the bath through the end. Full directions are engraved on the handles. All the valves are on one side and convenient to the bather. The arrangement is simple and will not get out of order. Furnished with hardwood rim instead of glazed rim if preferred.

Furnished glazed outside if desired.

THE "ENAMELO" BATH.
A PORCELAIN-ENAMELED IRON BATH WITH ROLL-RIM.

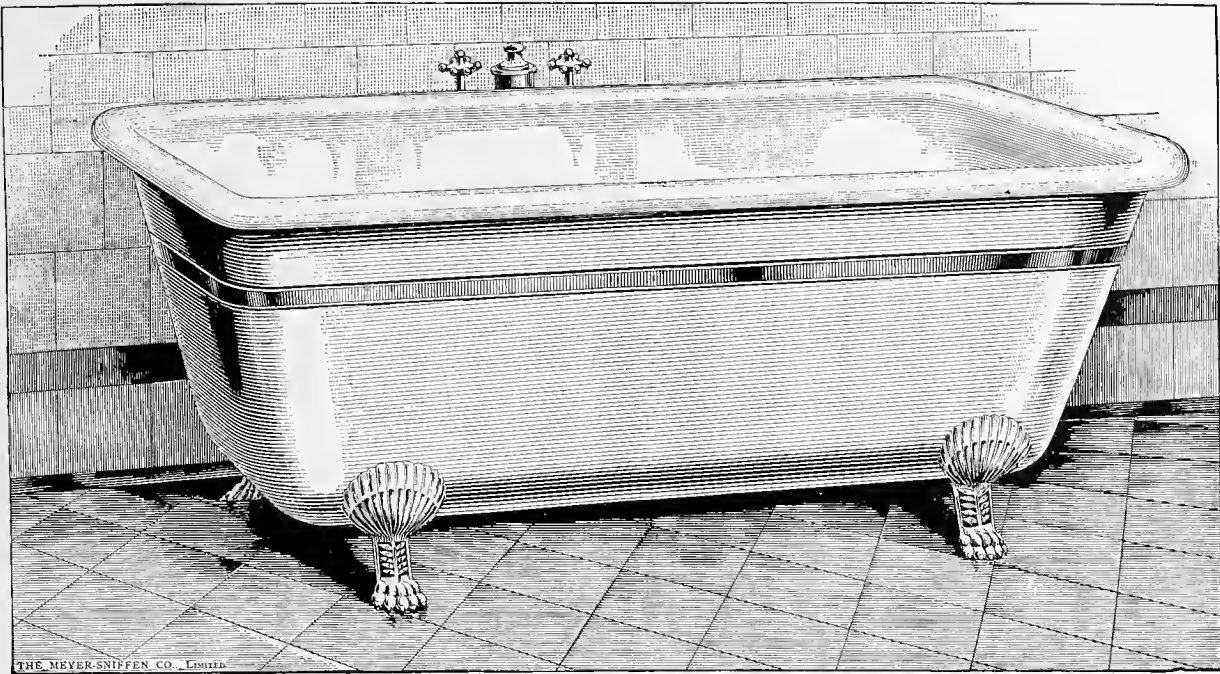


PLATE 22-C.

THE ROMAN "ENAMELO" (PORCELAIN-ENAMELED) IRON BATH WITH ENAMELED RIM.

PLATE 22-C, consists of an IRON ROMAN ENAMELED BATH, "Capitol" Waste and supply fittings at back and ornamented feet. Size of bath: Length, 5 feet 6 inches; width, 2 feet 6 inches; depth, inside, 1 foot 9 inches. The illustration shows the bath decorated outside in ivory tint with gold band.

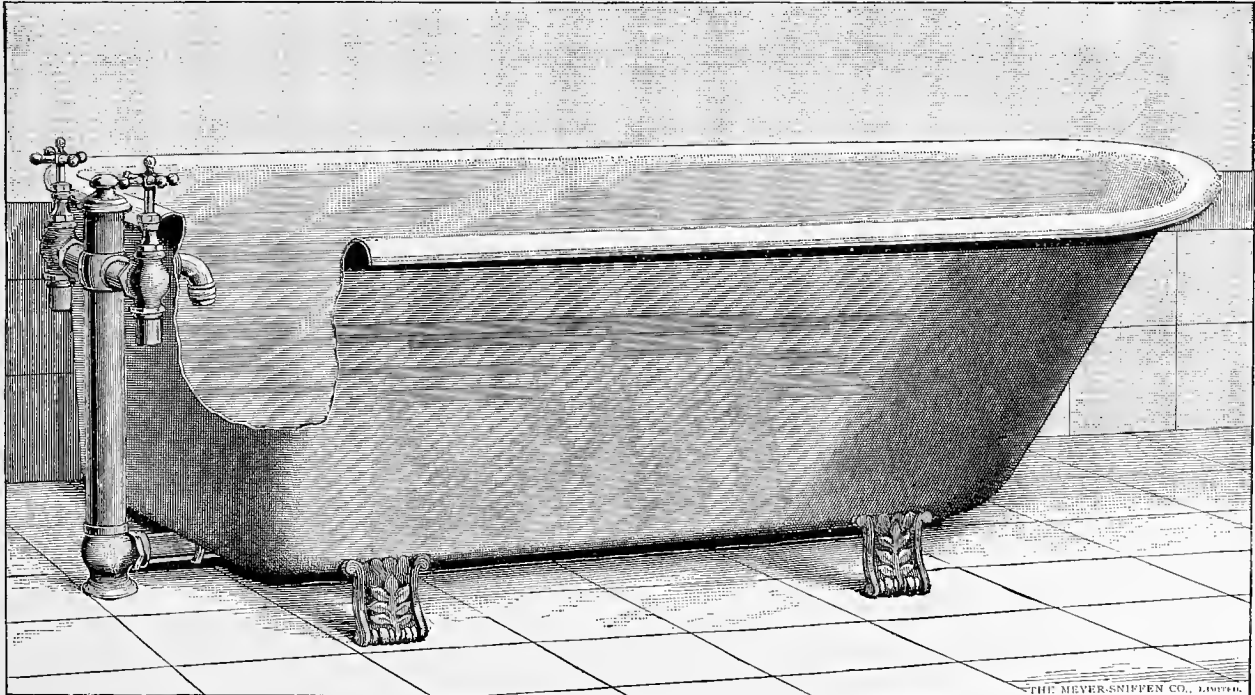


PLATE 23-C.

THE "ENAMELO" (PORCELAIN-ENAMELED) IRON BATH WITH ENAMELED RIM.

PLATE 23-C, consists of the "ENAMELO" (PORCELAIN-ENAMELED) IRON BATH, "Capitol" waste and supply fittings. Sizes: 5 feet, 5½ feet, and 6 feet long; width, 2 feet 6 inches; depth inside, 1 foot 9 inches.

The "Enamelo" Bath has been found to meet the demand for a bath that may be fitted up without cabinet work, and that will be not only much lighter in weight but also less expensive than the "Royal" Porcelain Bath, and that will at the same time compare favorably in its general character with the well-known qualities of that favorite bath. The porcelain-enamel glazing completely covers the rim, which is 3 inches wide and rounded at the edge. The bath is remarkable for its lightness, when size is considered.

THE ROMAN "ENAMELO" BATH,
WITH SHOWER, HAND SPRAY, RING AND RUBBER CURTAIN.

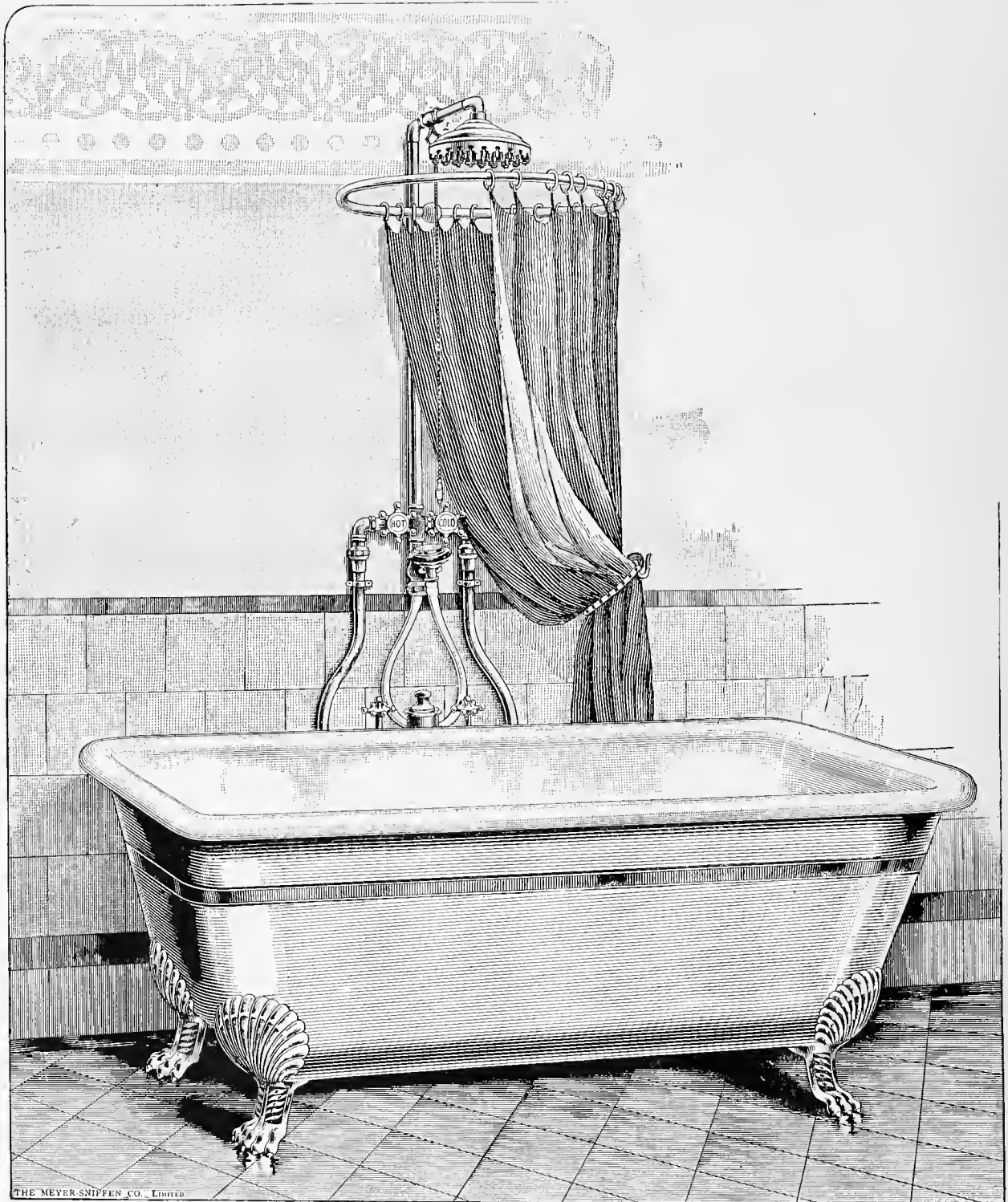


PLATE 24-C.

PLATE 24-C, consists of the Roman "ENAMELO" bath (cast-iron rolled edge) PORCELAIN ENAMELED, finished outside in white japan enamel and gold band, with nickel or brass plated feet, hot and cold supply in bell inlet and "Capitol" waste at back, shower, hand spray, and douche apparatus, with ring and rubber curtain.

The Porcelain Enamel glazing completely covers the rim, which is 3 inches wide, and rounded at the edge. Unquestionably the finest bath of its kind ever made. Weight of bath only about 300 pounds, which, for its size, is remarkable.

Dimensions: Length, 5 feet 6 inches; width, 2 feet 6 inches; height, 2 feet 2 inches; depth, inside, 21 inches; distance from wall required, 3 feet. Fittings may be placed at either end if desired instead of at the back, in which case only 2 feet 6 inches will be required for width, but 6 feet will be necessary for length.

THE "EXCELO" BATHS.
A ROLLED-RIM IRON BATH, FINISHED INSIDE IN WHITE JAPAN ENAMEL.



PLATE 25-C.

PLATE 25—C, consists of the "EXCELO" ROMAN BATH, including feet, the "Fuller" Double Cock, overflow coupling, chain and rubber stopper.

Dimensions: Length, 5 feet 6 inches; width, 2 feet 6 inches; height, 2 feet 2 inches; depth inside, 1 foot 9 inches; rim, 3 inches wide.

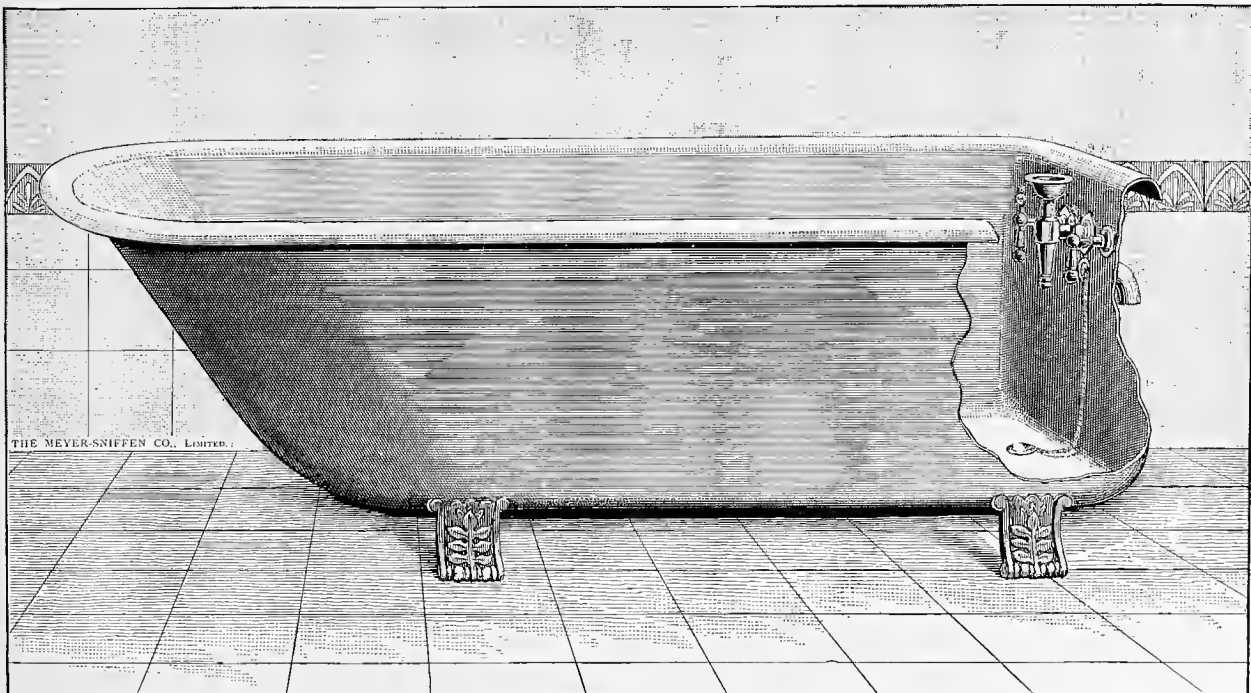


PLATE 26-C.

PLATE 26—C, consists of the "EXCELO" BATH, including feet, the "Fuller" Double Cock, overflow coupling, chain and rubber stopper.

Dimensions: Width, 2 feet 6 inches; height, 2 feet 2 inches; depth inside, 1 foot 9 inches; two lengths, 5 feet and 5½ feet; rim, 3 inches wide.

The desire for a Bath Tub at a moderate cost that can be set up complete without cabinet work, has led us to introduce the "EXCELO." The experience of many years in England in the use of the material of which the tub is coated, warrants us in claiming great durability for it. In appearance it resembles an enameled tub, having a white, glossy finish. After a few years' use, if necessary, it can be made as good as new at a trifling expense with a new coat of enamel. The illustrations show the tubs fitted with a "Fuller" Double Bath Cock, with Overflow Coupling, Plug and Chain.

THE "PEMBERTON" COPPER-LINED BATHS,
AND BATH COCKS.

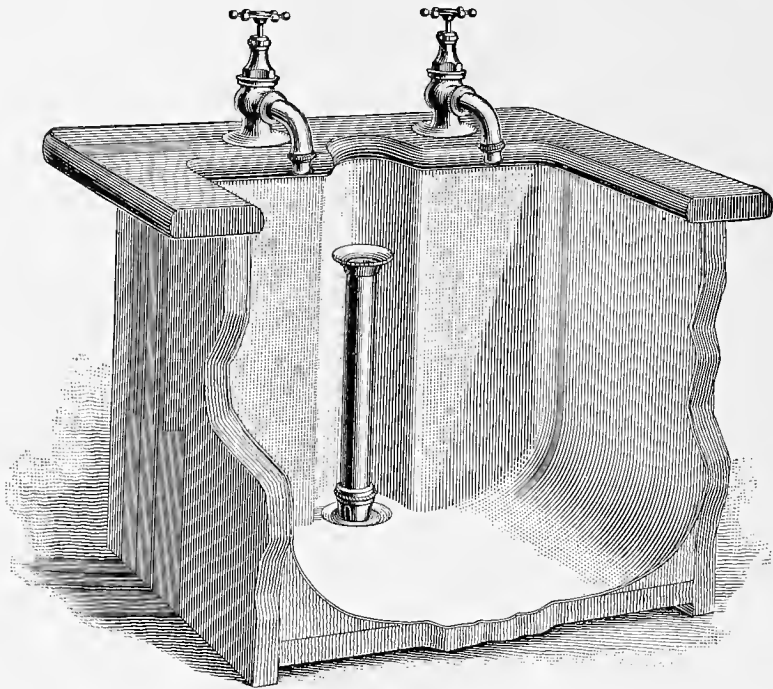


PLATE 27-C.

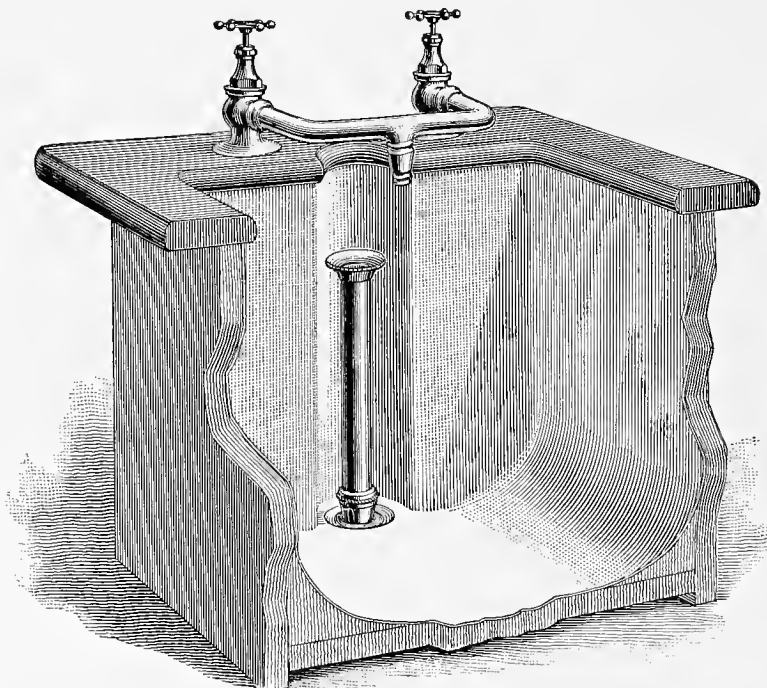


PLATE 28-C.

The illustrations show the "PEMBERTON" COPPER BATHS, with the "PEMBERTON" single (Plate 27—C), and double supply cocks (Plate 28—C). As shown by the interior views above, the baths have a recess or niche in which the overflow pipe is placed, to be out of the way. The combined overflow and waste pipe here used ("Rapid Transit" Waste, patented), is a simple device, that does not need to be taken out, simply rotated, to let the water out of the bath. The supply cocks are specially made, with elegant six-arm handles, very large and easily turned.

These baths are furnished in any size or shape in which copper baths are made.

No. 4 BATHING APPARATUS.

NEEDLE SPRAY, SHOWER, DOUCHE AND PLUNGE BATH.

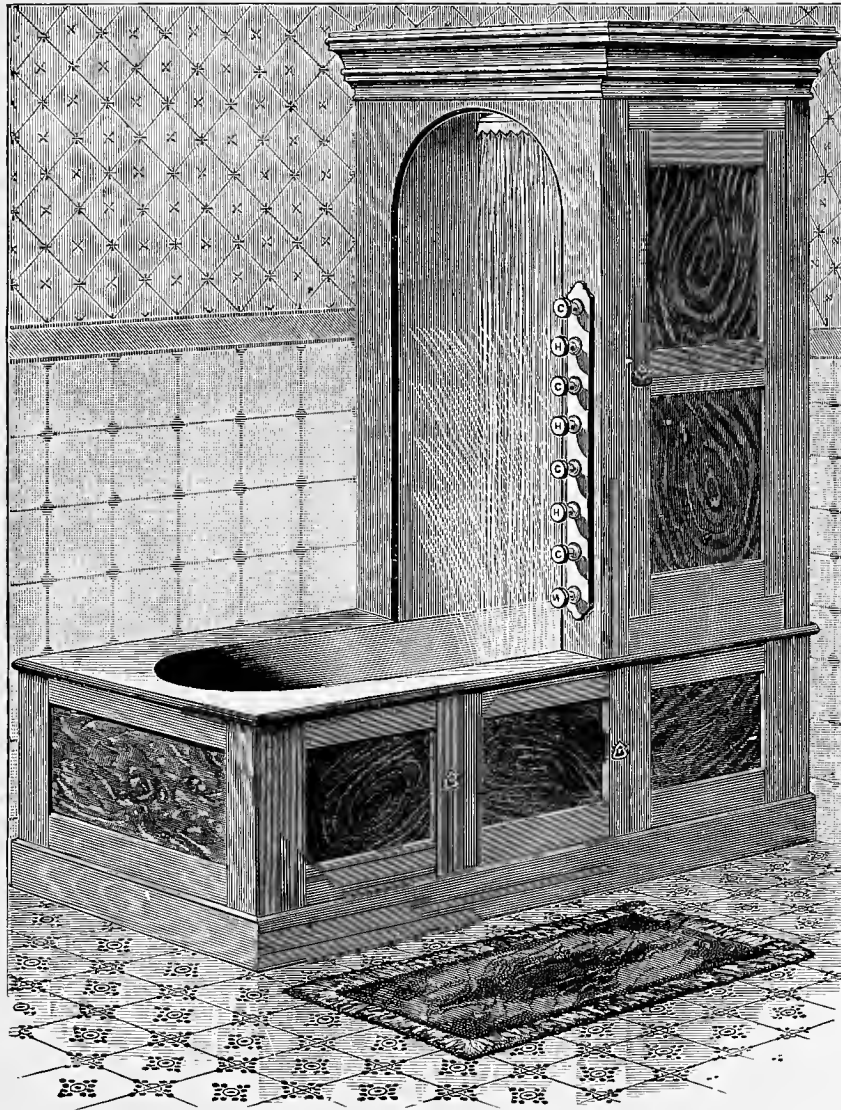


PLATE 29-C.

This illustration shows a Copper Bath arrangement, extra wide and deep, with a hood over one end, fitted with a needle spray (now made of vertical perforated pipes), extra large shower and douche. Hot and cold water can be turned on separately to fill the bath, or for needle spray and shower. This is undoubtedly the most complete Copper Bath Apparatus in the market, many having been sold by us that are giving perfect satisfaction.

In ordering, state whether handles are to be on right, as shown, or on left. Usual length of the bath furnished is 5 feet 6 inches long, outside. Width inside, 25 inches. Depth inside, 23 inches. Height of hood inside, 6 feet 8 inches. Any length made to order.

COMBINATION NEEDLE SPRAY, SHOWER AND DOUCHE.

TO STAND ON FLOOR.

WITH RUBBER CURTAIN.

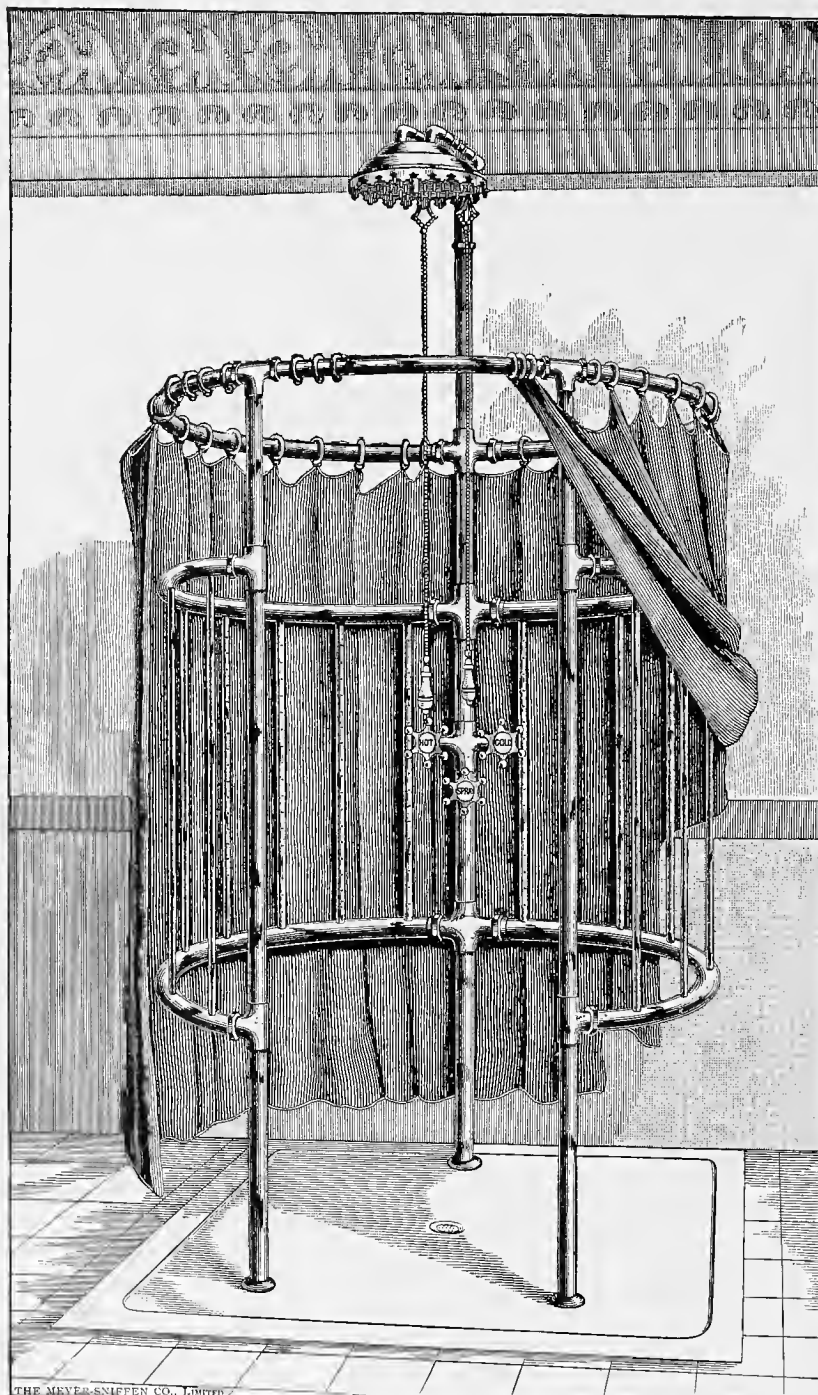


PLATE 30-C.

The illustration represents a simple and perfect apparatus. All the vertical pipes are perforated, including the two columns in the foreground. On turning on the hot and cold valves the water enters the central vertical column, which acts as a mixing chamber. A shower or douche may be had by operating one or the other of the pulls. One valve controls the needle spray, which is directed from each vertical column toward the centre. These pipes are so constructed that they may be taken out for cleansing if necessary. If desired, the supply valves may be placed on either of the front columns instead of at the back.

Dimensions: Height to top of shower, 7 feet 6 inches. Diameter of Needle Bath, 3 feet 4 inches.

COMBINATION NEEDLE SPRAY, SHOWER, DOUCHE AND BIDET.

TO STAND ON FLOOR.

WITH RUBBER CURTAIN.

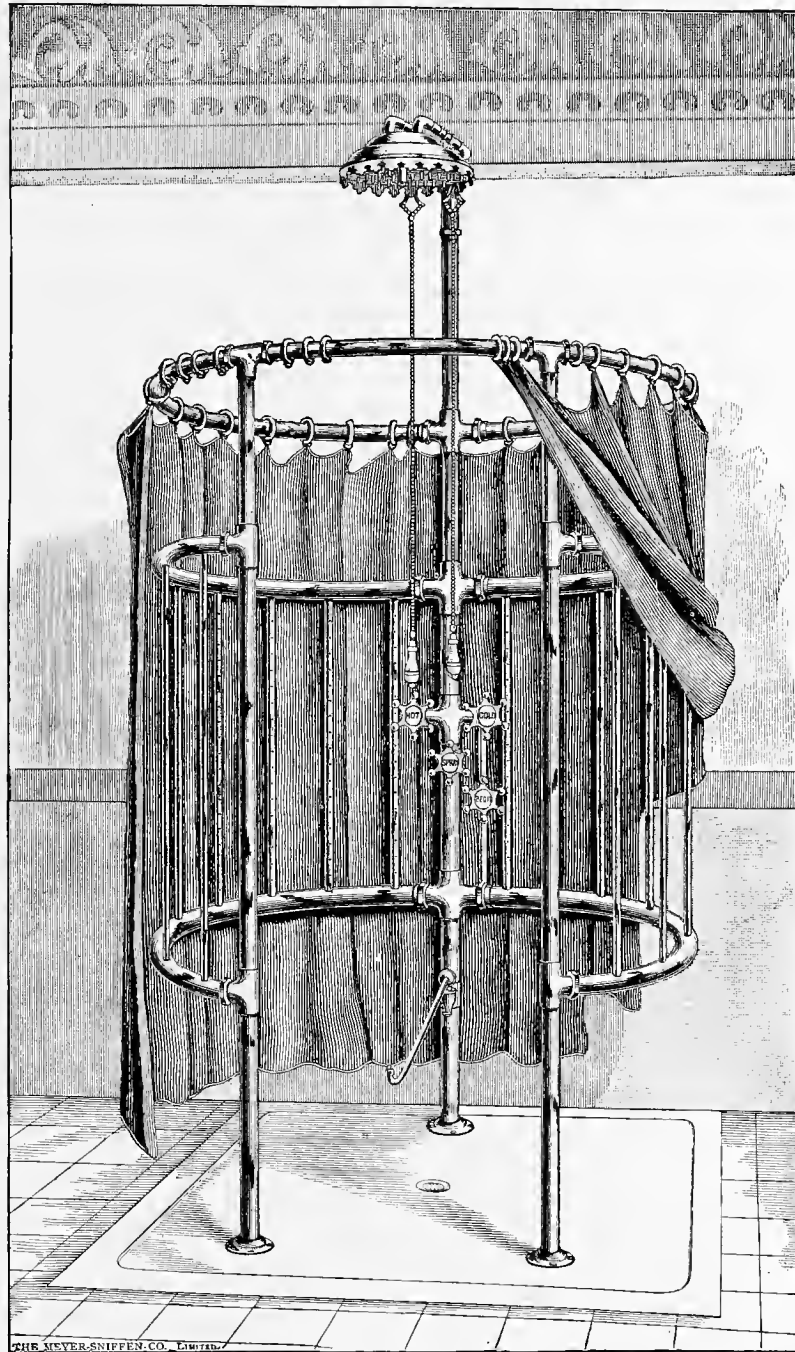


PLATE 31-C.

The apparatus illustrated above is in all respects the same as PLATE 30-C, with the addition of the "Bidet," or jet at the bottom. Hot and cold water is supplied to each feature of the bath, and can be controlled separately—*i. e.*, needle spray, shower, descending douche and bidet, or ascending douche. The needle spray pipes may be easily removed for cleansing if necessary.

If this bath is desired to be fitted in a marble stall or room, the upper ring and curtain may be dispensed with. The supply valves may be located on either side, if preferred, instead of at the back.

Dimensions: Height to top of shower, 7 feet, 6 inches; diameter of needle bath, 3 feet, 4 inches

COMBINATION NEEDLE AND LIVER SPRAY BATH,
WITH SHOWER, DOUCHE AND BIDET.

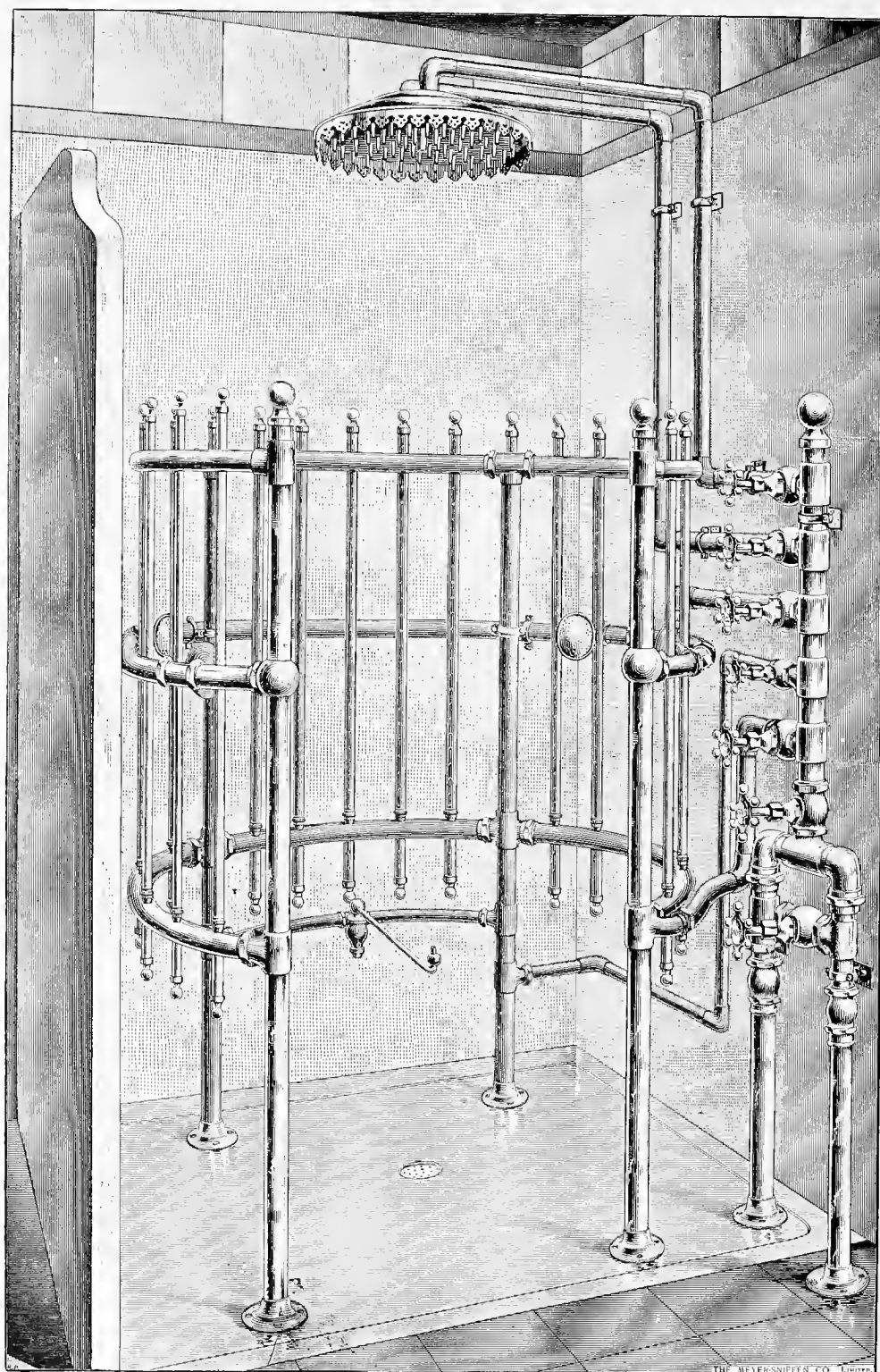


PLATE 32-C.

The illustration represents a most complete apparatus. Intended for turkish bath establishments and athletic clubs. The arrangement of the valves are such that the cold water must be turned on first, thus avoiding the danger of the user accidentally being scalded. The "Bidet" or ascending douche is swung out of the way when not in use. A separate valve controls each feature independent of the others. The vertical perforated pipes (needle spray), are readily detached for cleansing.

Dimensions: Height to top of shower, 8 feet; diameter of needle bath, 4 feet.

COMBINATION NEEDLE SPRAY, SHOWER AND DOUCHE,
WITH RUBBER CURTAIN.

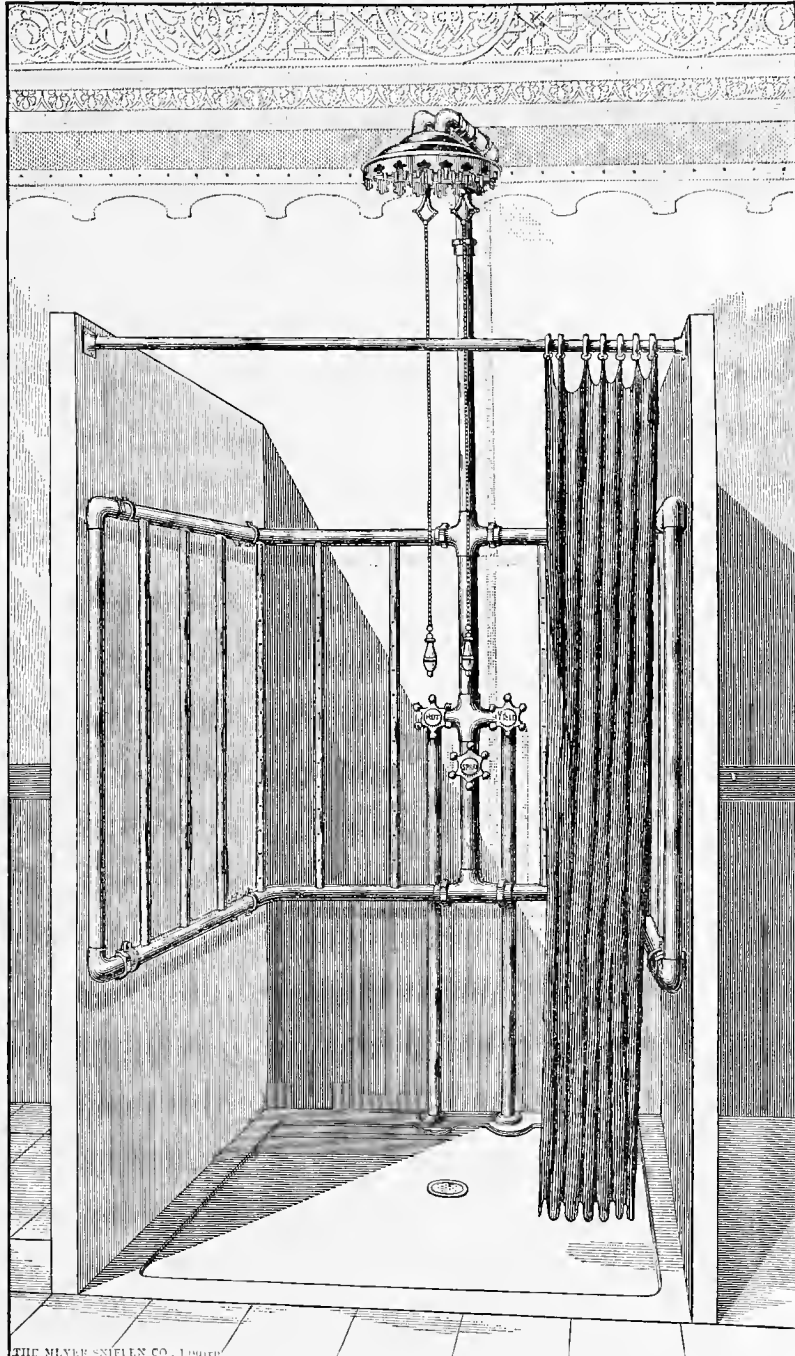


PLATE 33-C.

The illustration represents an apparatus intended to be set up with marble sides and back. The curtain in front can be drawn across when in use. All the vertical pipes are perforated, forming the needle spray, and are easily removed, if necessary, for cleaning. The shower and douche are operated by a pull and chain for each, and a bidet or ascending douche can be added to the apparatus, if desired.

Needle Baths of this description will be made to order to suit any recess or corner.

Dimensions: Height to top of shower, 7 feet 6 inches; diameter of needle bath, 3 feet.

NICKEL-PLATED BRASS SHOWERS.

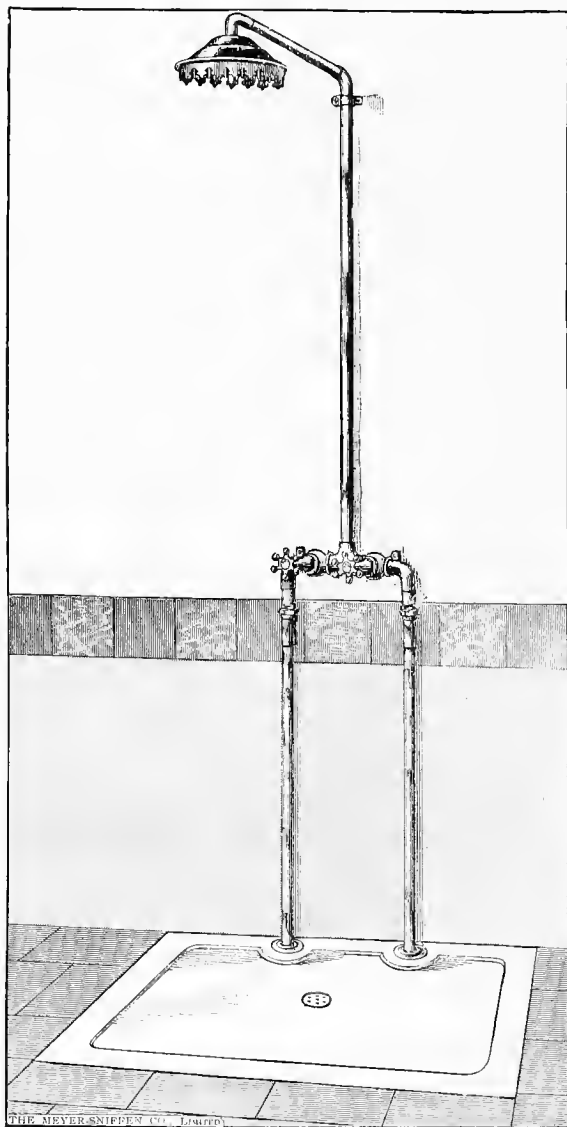


PLATE 34-C.

PLAIN SHOWER.

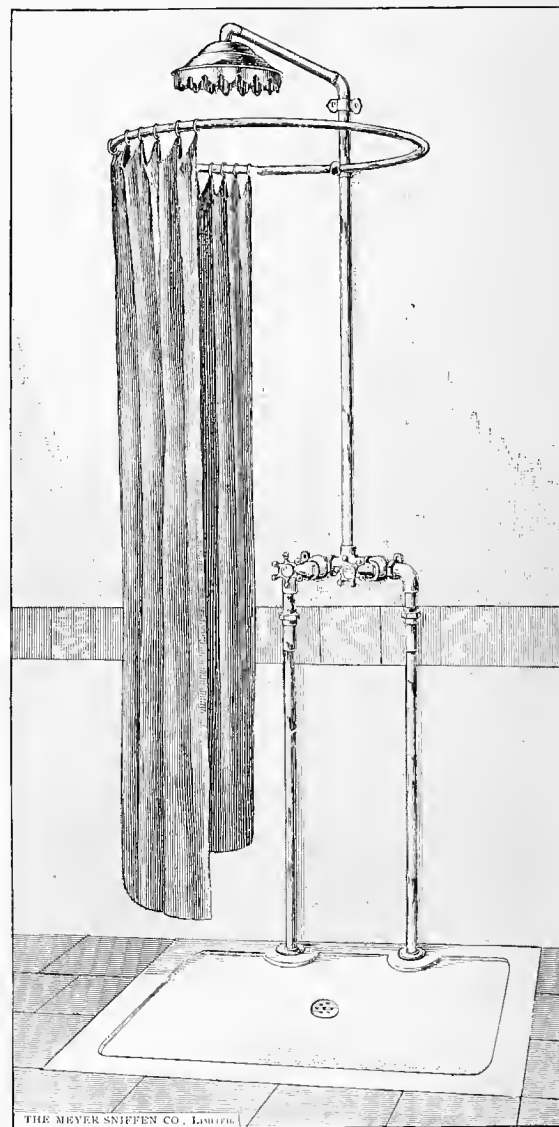


PLATE 35-C.

SHOWER, WITH RING AND CURTAIN.

These showers are extra well made, the pipes are of $\frac{3}{4}$ -inch size, and the hot and cold valves are specially constructed to seat easily, and have large six-arm handles. Adapted for use over a bath tub, or, as illustrated, for Bathing Establishments, Club Houses or Private Dwellings.

Dimensions : Height, 7 feet 3 inches ; distance from wall to centre of shower, 18 inches.

NICKEL-PLATED BRASS SHOWERS.

WITH HAND SPRAY.



PLATE 36-C.

SHOWER, WITH HAND SPRAY, PULL AND CHAIN.

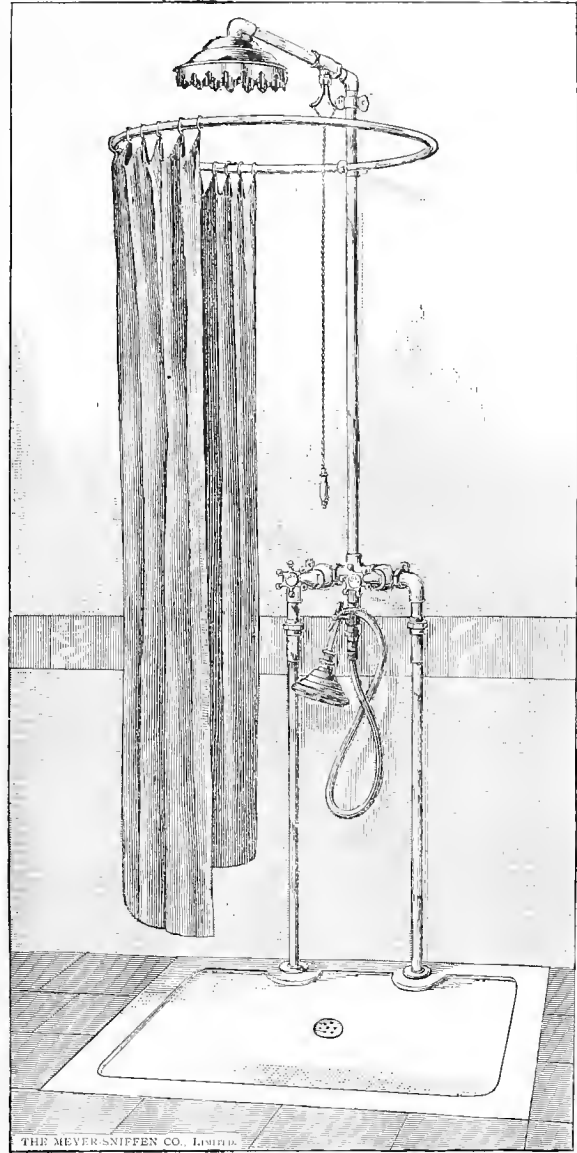


PLATE 37-C.

SHOWER, WITH HAND SPRAY, PULL, CHAIN, RING, AND RUBBER CURTAIN.

These showers are extra well made, the pipes are $\frac{3}{4}$ -inch size, and the hot and cold valves are specially constructed to seat easily and have large six-arm handles. They are adapted for use over a bath tub, or, as illustrated, for Bathing Establishments, Club Houses or Private Dwellings.

The arrangement is such that in turning on the hot and cold valves the water enters the upright pipe, which acts as a mixing chamber, and will not descend from the shower until the pull is operated.

An important feature with our showers is an arrangement preventing either the hot or cold water from passing back through the opposite pipe should the valves be left open accidentally.

Dimensions : Height, 7 feet 3 inches ; distance from wall to centre of shower, 18 inches.

NICKEL-PLATED BRASS SHOWERS.

WITH DOUCHE AND HAND SPRAY.

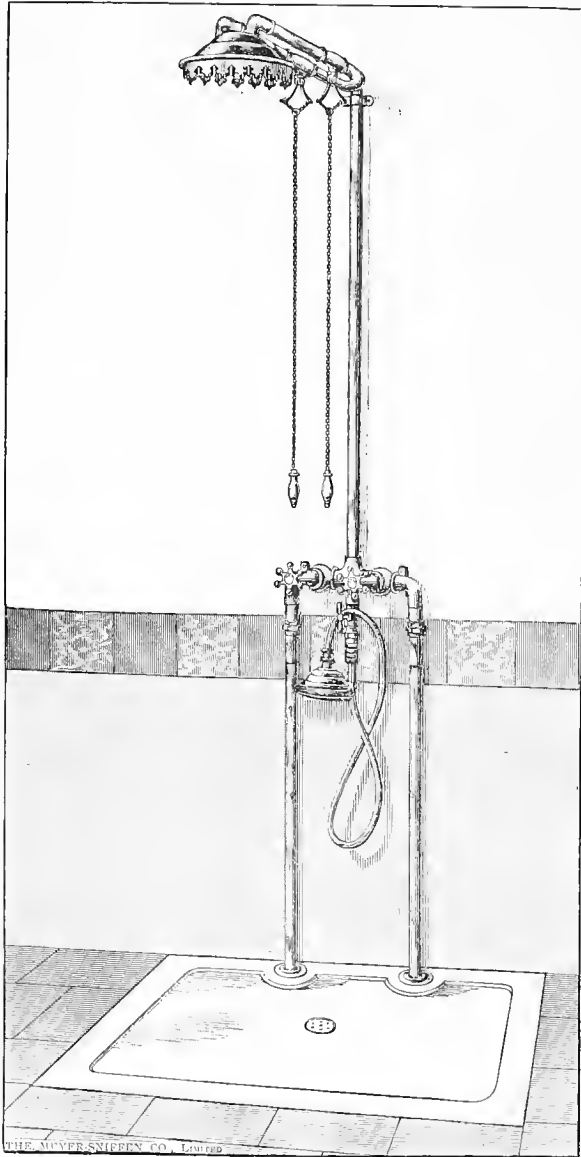


PLATE 38-C.

SHOWER, WITH HAND SPRAY, AND "DOUCHE."

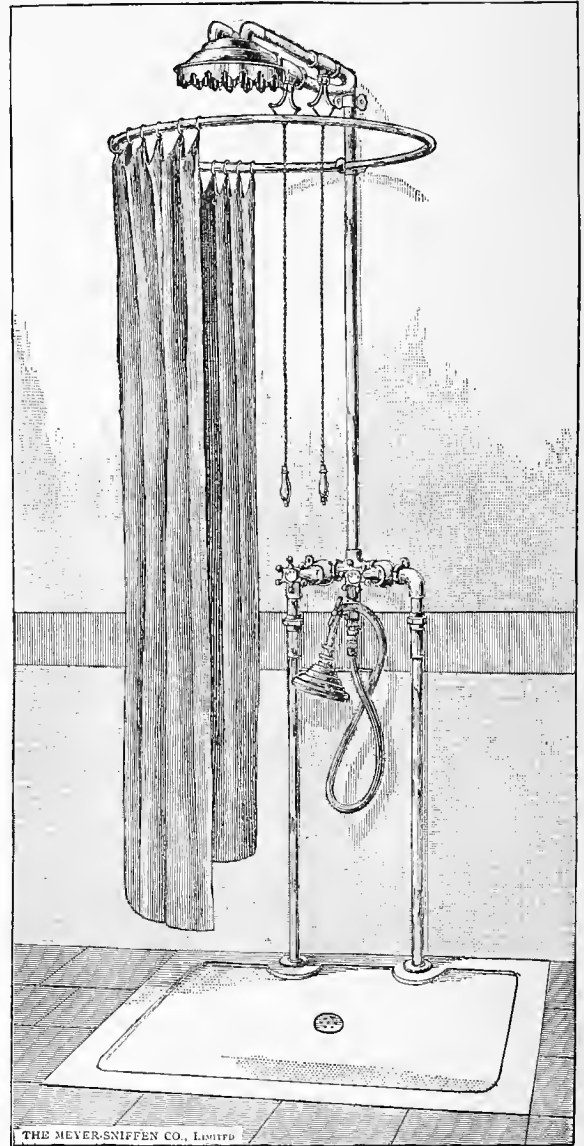


PLATE 39-C.

SHOWER, WITH HAND SPRAY, "DOUCHE," RING, AND RUBBER CURTAIN.

These Showers are extra well made, the pipes are $\frac{3}{4}$ -inch size, and the hot and cold valves are specially constructed to seat easily and have large six-arm handles. They are adapted for use over a bath tub, or, as illustrated, for Bathing Establishments, Club Houses or Private Dwellings.

The arrangement is such that in turning on the hot and cold valves the water enters the upright pipe, which acts as a mixing chamber, and will not descend from the shower or douche until the pull is operated.

An important feature of our Showers is an arrangement preventing either the hot or cold water from passing back through the opposite pipe should the valves be left open accidentally.

Dimensions: Height, 7 feet 3 inches; distance from wall to centre of shower, 18 inches.

SHOWER APPARATUS, WITH AUTOMATIC REGULATING VALVE.

PATENT APPLIED FOR.

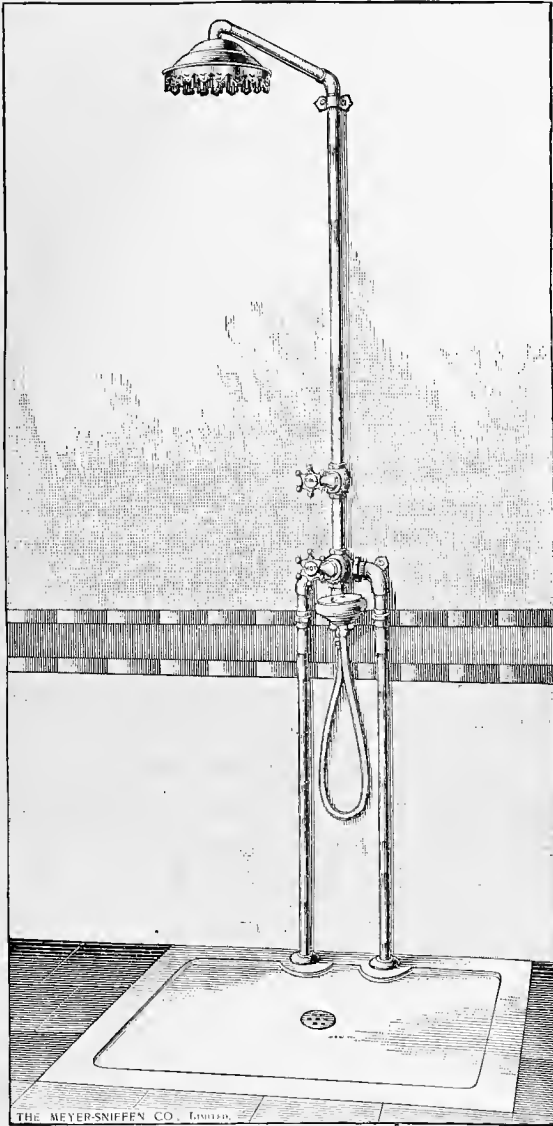
The Cold Water Valve Must be Opened Before the Hot Water Will Run.

PLATE 40-C.

Shower and hand spray, with Automatic Regulating Valve.



PLATE 40½-C.

Shampoo with Automatic Regulating Valve, for supply pipes in the wall.



PLATE 41½-C.

Shampoo with Automatic Regulating Valve, with supply pipes from floor.

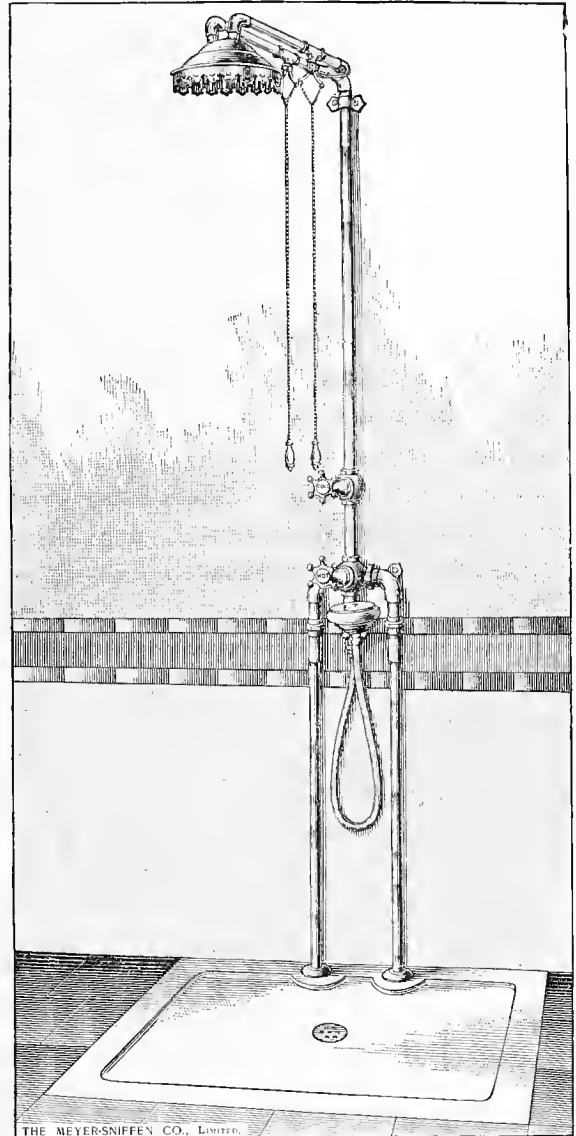


PLATE 41-C.

Shower, DOUCHE and hand spray, with Automatic Regulating Valve.

It is not only desirable but quite necessary in a shower or shampoo apparatus to provide against the user being accidentally scalded. With the above illustrated apparatus this desideratum can be accomplished, as the arrangement is such that the cold water must be turned on first, and the hot water is mixed with the cold when the "hot" valve is opened.

The construction of the *Hot Water Valve* permits the control of the volume of the cold water also so that the temperature of the water let through the shower or shampoo may be regulated by it. The construction is also such that the hot or cold water cannot pass back into the opposite pipe, and the apparatus may be used equally as well where the cold water is under the same or a greater pressure than the hot.

SHOWER APPARATUS, WITH AUTOMATIC REGULATING VALVE.

PATENT APPLIED FOR.

The Cold Water Valve Must be Opened Before the Hot Water Will Run.

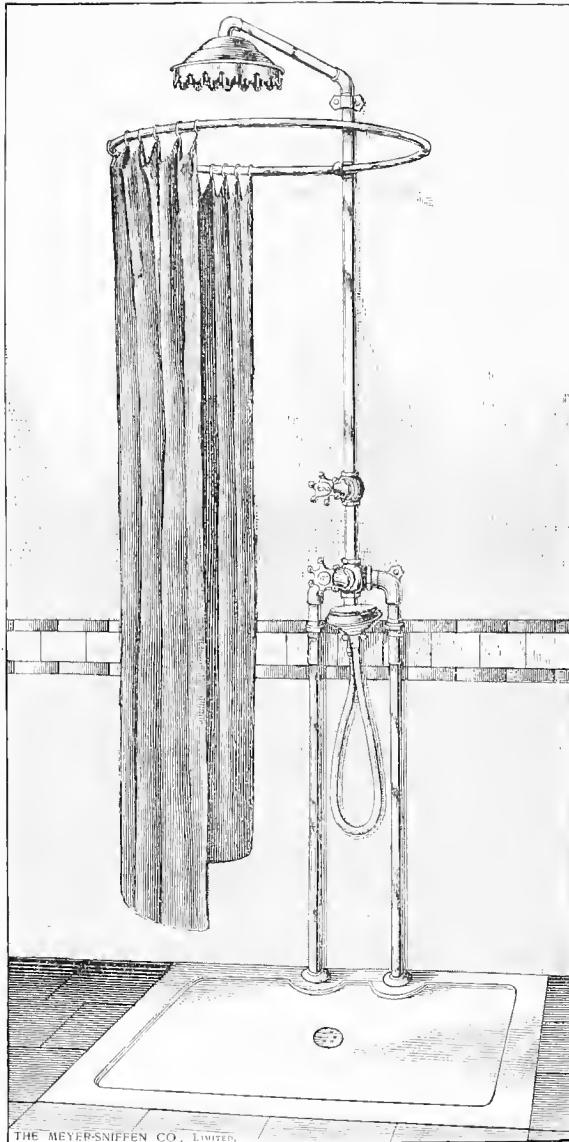


PLATE 42-C.

Shower and Hand Spray, with Automatic Regulating Valve, Ring and Rubber Curtain.

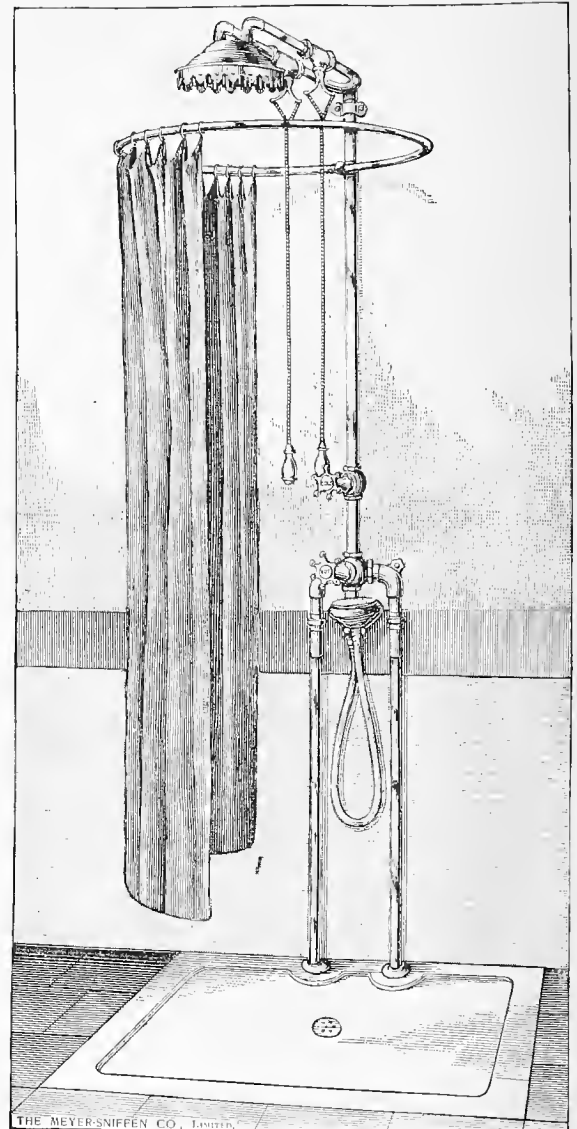


PLATE 43-C.

Shower, DOUCHE and Hand Spray, with Automatic Regulating Valve, Ring and Rubber Curtain.

It is not only desirable but quite necessary in a shower or shampoo apparatus to provide against the user accidentally scalding himself. With the above illustrated apparatus it is impossible to do so, as the arrangement is such that the cold water must be turned on first, and the hot water is mixed with the cold when the "hot" valve is opened.

The construction of the *Hot Water Valve* permits the control of the volume of the cold water also, so that the temperature of the water let through the shower or shampoo may be regulated by it. The construction is also such that the hot or cold water cannot pass back into the opposite pipe, and the apparatus may be used equally as well where the cold water is under the same or a greater pressure than the hot.

Dimensions: Height, 7 feet 3 inches; distance from wall to centre of shower, 18 inches.

THE “BRIGHTON” WATER-CLOSET.

IMPROVED.

PATENTED.

THE accompanying cuts illustrate the IMPROVED “BRIGHTON” WATER-CLOSET APPARATUS. Special attention is called to the sectional cuts on page, 55 and 56, which give a description of the manner of working and of the details of the improvements, features which, we believe, unquestionably add greatly to its value, and, all things considered, make the “BRIGHTON” a Water-Closet unsurpassed by any other in the market.

The success of the “BRIGHTON” Water-Closet, and the various styles of apparatus of which it is a part, during the last ten years, has led to the introduction of many imitations, alleged to be just as good and cheaper, but which lack the quality and character, not only of the earthenware but also of the cistern and fittings, that go to make a substantial and durable apparatus.

All Water-Closet Apparatus of our manufacture are guaranteed by us for five years; in fact, for obvious reasons, with the exception possibly of a washer on the ball cock or valve—a trifling matter—they ought, after fifteen years’ use, to be in as good a condition as when put in. We can refer to many of our Water-Closet apparatus now in use for over ten years that are “as good as new.”

We are prepared to furnish any style or size of cistern or tank for our Water-Closets that may be required, or any special size, valve or fittings, where the plumber is required to line the cistern, but we do not sell our Water Closets singly, and unaccompanied by the proper tank or fittings, except for repairs in case of breakages, where a special price will be quoted.

THE "BRIGHTON" WATER-CLOSET.

PLATE 44—C.

PLATE 44—C, consists of the IMPROVED "BRIGHTON" WATER-CLOSET, embossed, ivory tinted and decorated in gold lines, with patent brass floor connection, brass curved "back-air" pipe to wall, No. 9, or No. 10 tank (No. 9 is fitted with a syphon valve, No. 10 is fitted with a plain valve), of quartered oak with round corners and ornamented with brass trimmings, brass brackets, brass flush pipe, quartered oak seat and cover and brass supporting arms. If preferred, the quartered oak may be furnished in antique finish or other wood may be substituted for oak, or any of our other styles of tanks supplied in place of the one illustrated.

For dimensions and measurements and description of operation, see pages 55 and 56.

THE "BRIGHTON" WATER-CLOSET.

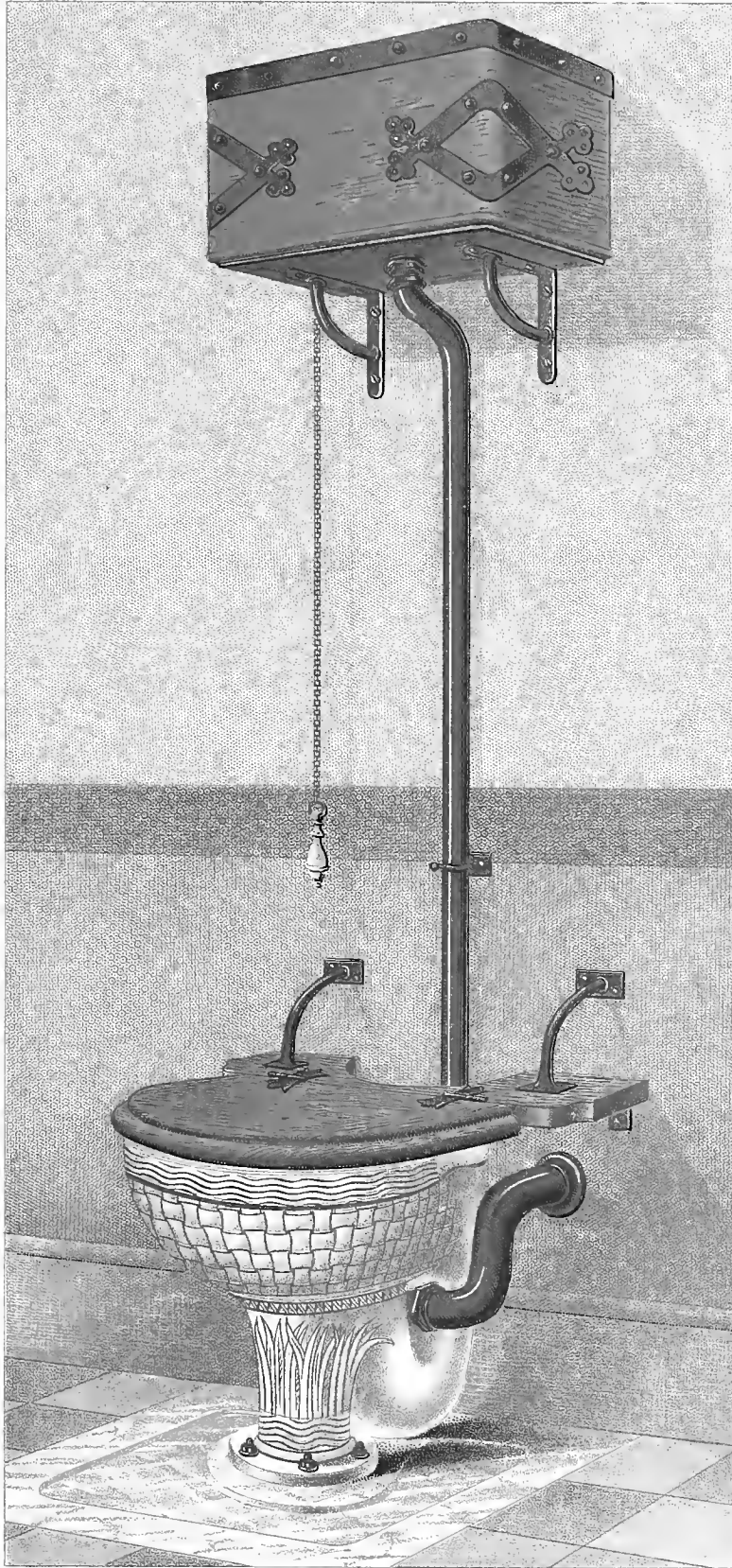


PLATE 44-C

THE "BRIGHTON" WATER-CLOSET, EMBOSSED, IVORY TINT, DECORATED IN GOLD.

THE "BRIGHTON" WATER-CLOSET.

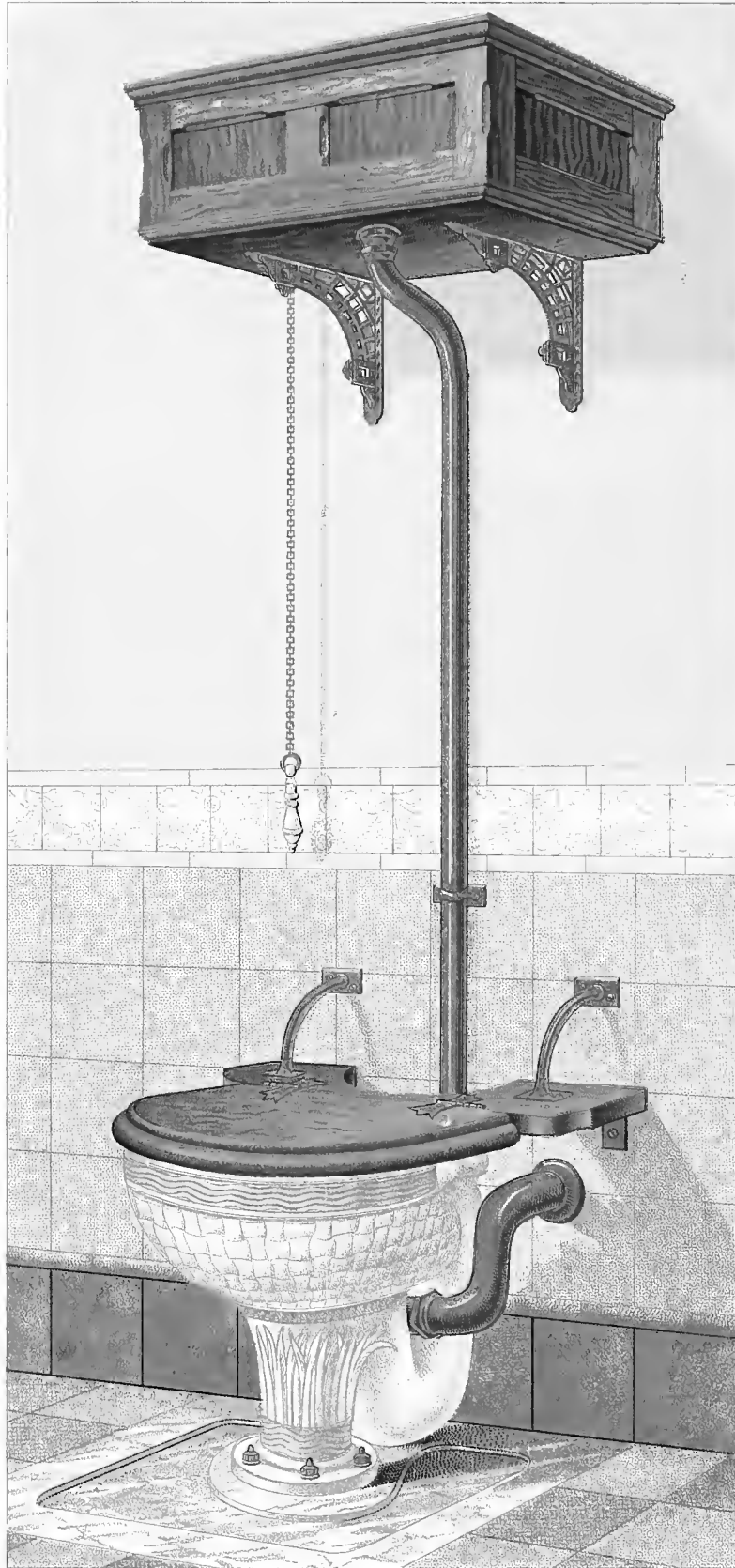


PLATE 45-C.

THE "BRIGHTON" WATER-CLOSET, EMBOSSED, DECORATED WITH BLUE AND GOLD.

THE "BRIGHTON" WATER-CLOSET.

PLATE 45--C.

PLATE 45—C, consists of the IMPROVED "BRIGHTON" WATER-CLOSET, embossed and decorated in two shades of blue and gold, with patent brass floor connection, brass curved "back-air" pipe to wall, No. 7 cherry paneled tank, brass brackets, brass flush pipe, cherry seat and cover and brass supporting arms. If preferred, other wood may be substituted for cherry, or any of our other styles of tanks in place of the one illustrated.

For dimensions and measurements and description of operation, see pages 55 and 56.

THE "BRIGHTON" WATER-CLOSET.

PLATE 46—C.

PLATE 46—C, consists of the Improved "BRIGHTON" WATER-CLOSET, embossed and decorated in two shades of pink and gold, with patent brass floor connection, brass curved "back-air" pipe to wall, No. 9 or No. 10 cherry paneled tank (No. 9 is fitted with a syphon valve, No. 10 is fitted with a plain valve), brass brackets, brass flush pipe, cherry seat and cover and brass supporting arms. If desired, other wood may be substituted for the cherry, or any of our other styles of tanks for the one illustrated.

For directions and measurements and description of operation, see pages 55 and 56.

THE "BRIGHTON" WATER-CLOSET.



PLATE 46-C.

THE "BRIGHTON" WATER-CLOSET, EMBOSSED, DECORATED WITH PINK AND GOLD.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.

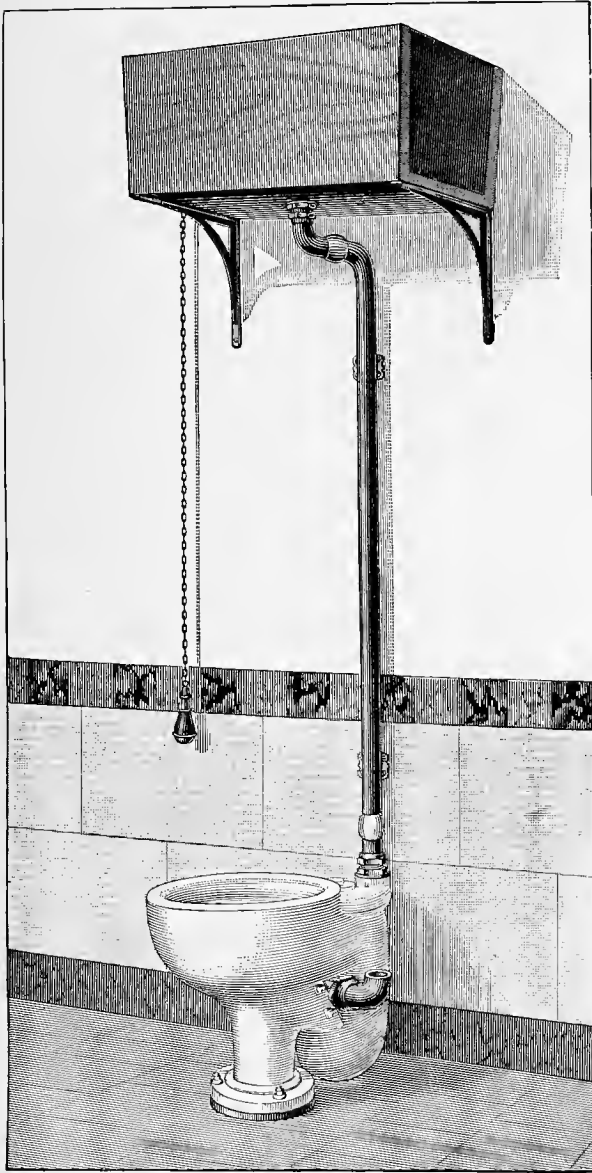


PLATE 47-C.

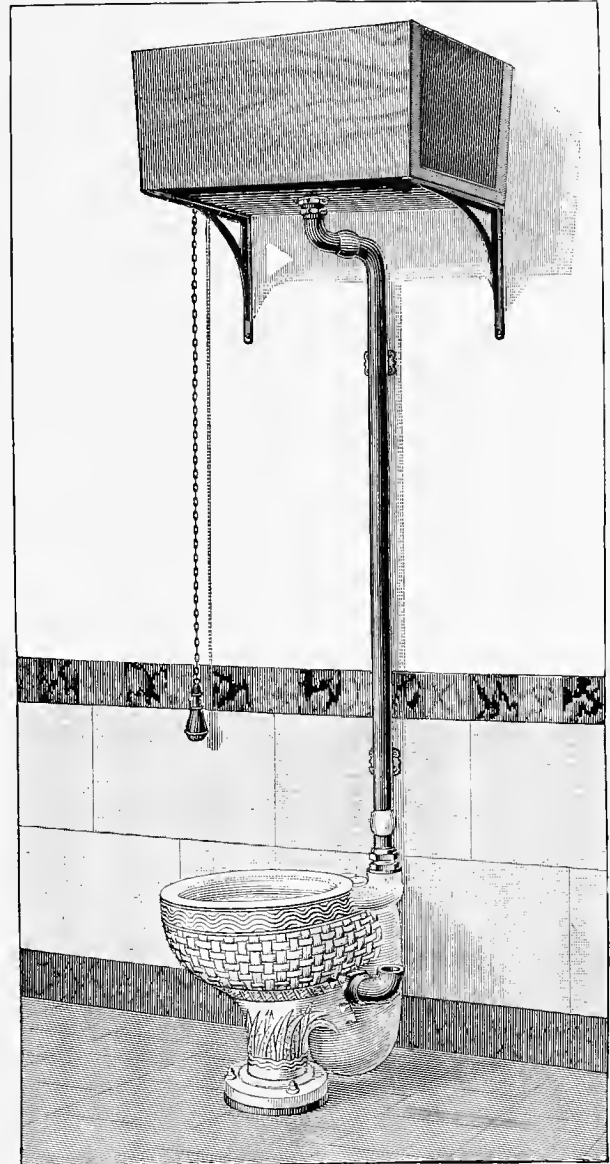


PLATE 48-C.

THE "BRIGHTON" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 47-C, consists of the Improved "BRIGHTON" WATER-CLOSET, with patent brass floor connection, No. 7 "Em-Ess," cast lead-lined or copper-lined tank, japanned brackets, chain and celluloid pull.

PLATE 48-C, consists of the Improved "BRIGHTON" WATER-CLOSET, EMBOSSED, with patent brass floor connection, No. 7 "Em-Ess," cast lead-lined or copper-lined tank, japanned brackets, chain and celluloid pull.

In operating the above apparatus, it is simply necessary to hold the pull about two seconds to thoroughly flush the closet. The tank mechanism is of the simplest construction, and is unquestionably most durable.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.

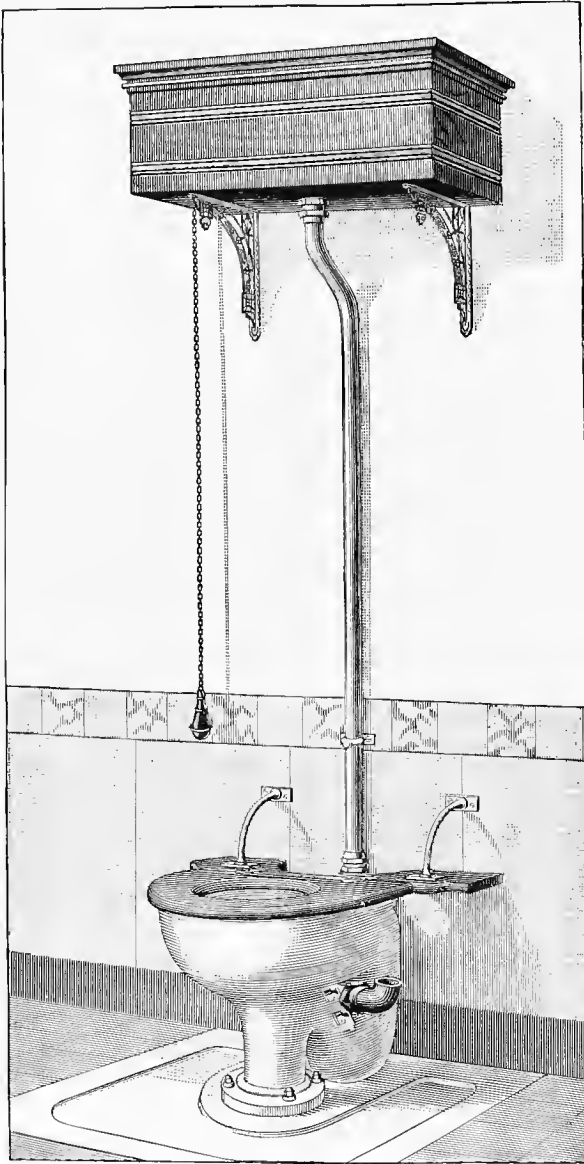


PLATE 49-C.

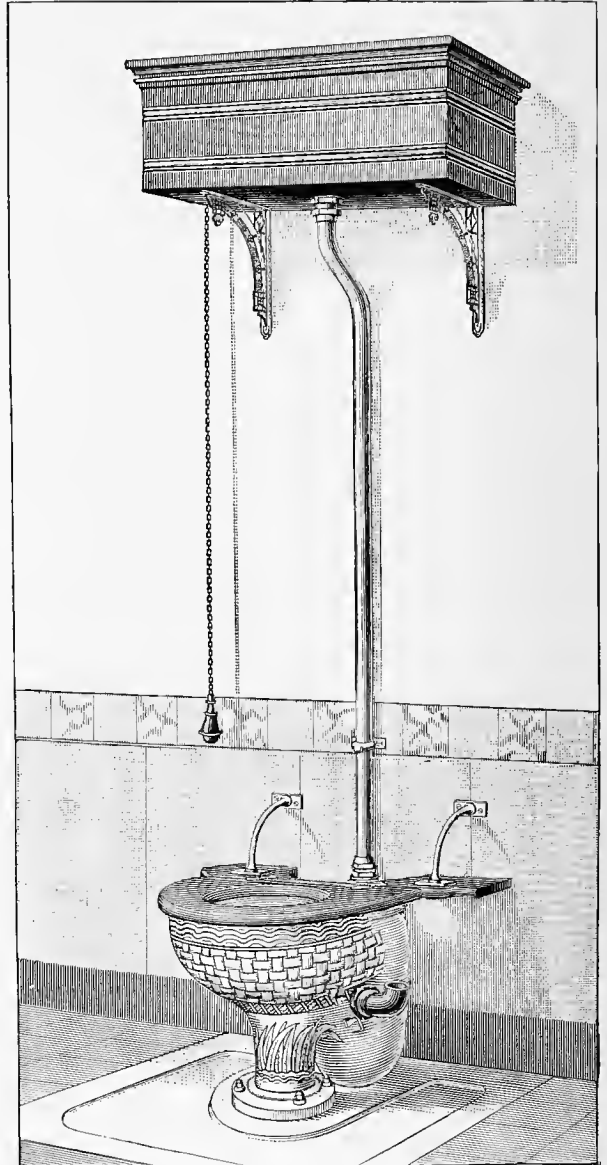


PLATE 50-C.

THE "BRIGHTON" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 49-C, consists of the Improved "BRIGHTON" WATER-CLOSET, with patent brass floor connection, No. 7 cabinet-finished tank, brassed brackets, chain and ivory celluloid pull, round front cherry seat and brass supporting arms.

PLATE 50-C, consists of the Improved "BRIGHTON" WATER-CLOSET, EMBOSSED, with patent brass floor connection, No. 7 cabinet-finished tank, brassed brackets, chain and ivory celluloid pull, round front cherry seat and brass supporting arms.

In operating the above apparatus, it is simply necessary to hold the pull about two seconds to thoroughly flush the closet. The tank mechanism is of the simplest construction, and is unquestionably most durable.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.

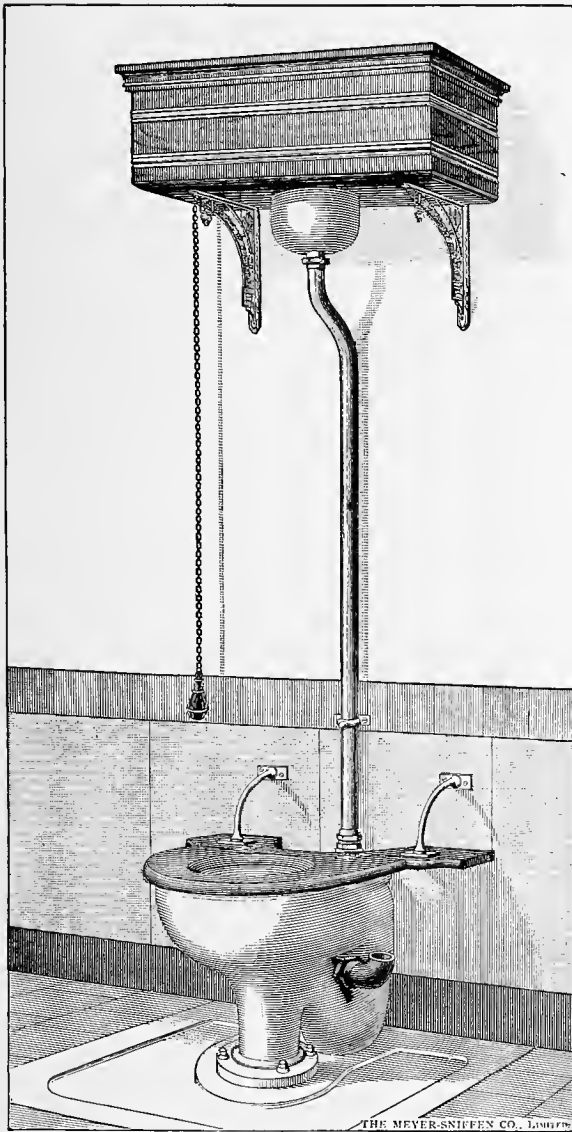


PLATE 51-C.

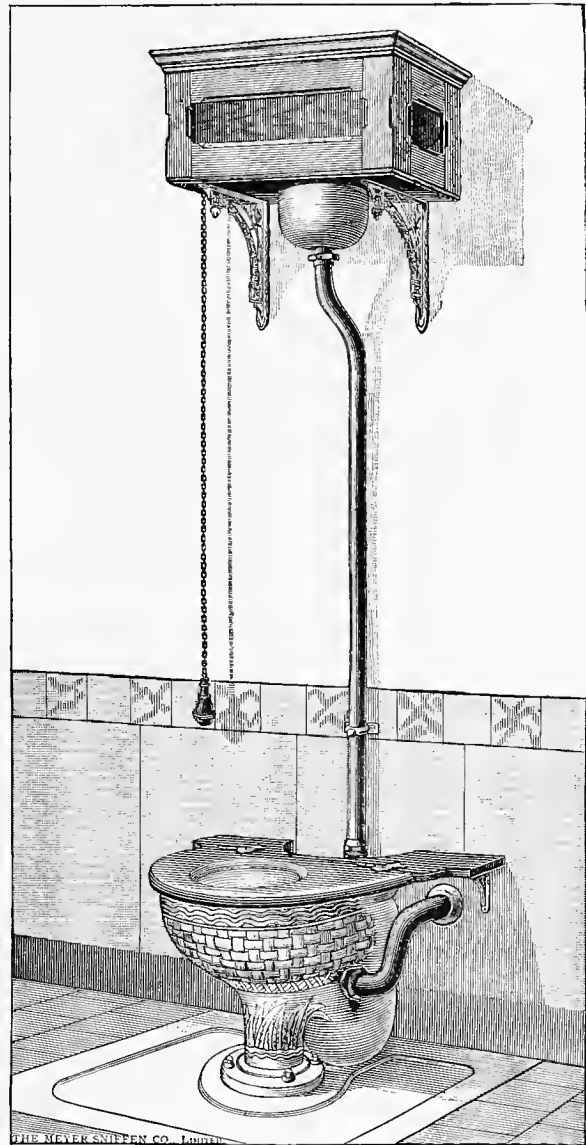


PLATE 52-C.

THE "BRIGHTON" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 51-C, consists of the Improved "BRIGHTON" WATER-CLOSET, with patent brass floor connection, No. 4 (brass service box) cabinet-finished tank, brassed brackets, chain and ivory celluloid pull, round front cherry seat and brass supporting arms.

PLATE 52-C, consists of the Improved "BRIGHTON" WATER-CLOSET, EMBOSSED with patent brass floor connection, No. 12 (brass service box) paneled tank, brassed brackets, chain and ivory celluloid pull, round front cherry seat and brass supporting arms.

In operating the above apparatus, it is simply necessary to hold the pull about two seconds to thoroughly flush the closet. The tank mechanism is of the simplest construction, and without doubt most durable.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.

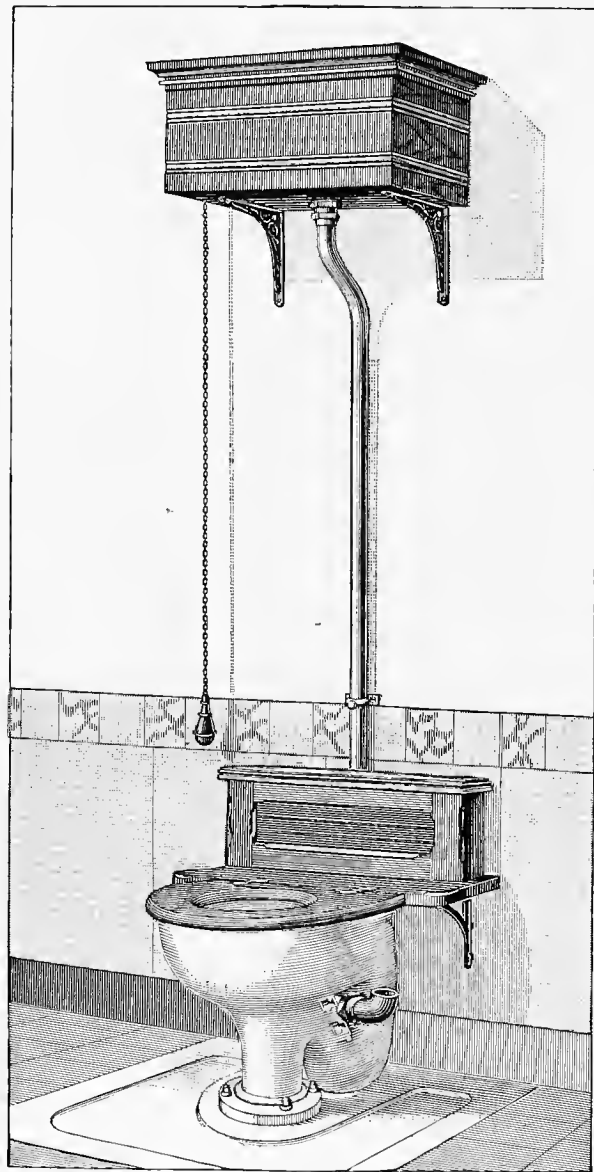


PLATE 53—C.

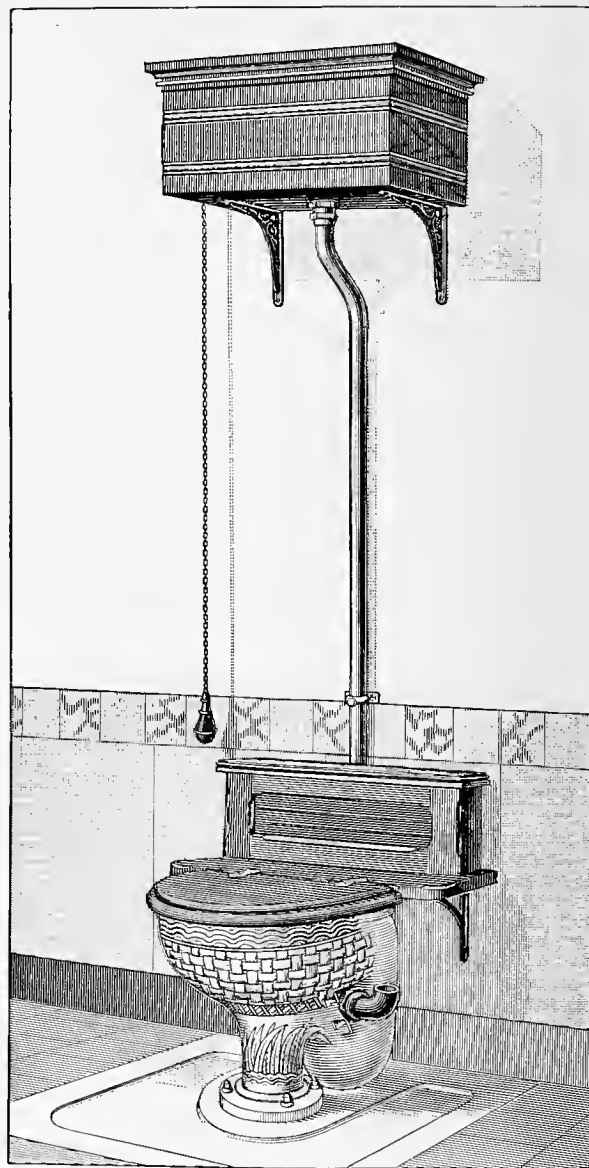


PLATE 54—C.

THE "BRIGHTON" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 53—C, consists of the "BRIGHTON" WATER-CLOSET, IMPROVED, with patent brass floor connection, No. 9 cabinet-finished syphon tank, bronzed brackets, chain and pull, round front cherry seat, with paneled back and japped brackets

PLATE 54—C, consists of the "BRIGHTON" WATER-CLOSET, IMPROVED, embossed basket design, with patent brass floor connection, No. 9 cabinet-finished syphon tank, bronzed brackets, chain and pull, round front cherry seat *with cover*, paneled back and japped brackets.

In operating the above, a slight pull of the handle causes the discharge of the contents of the tank, which may be $2\frac{1}{2}$ to 4 or 5 gallons, as desired. It is the most simple and most thoroughly constructed syphon tank in the market.

THE "BRIGHTON" WATER-CLOSET.

PATENTED

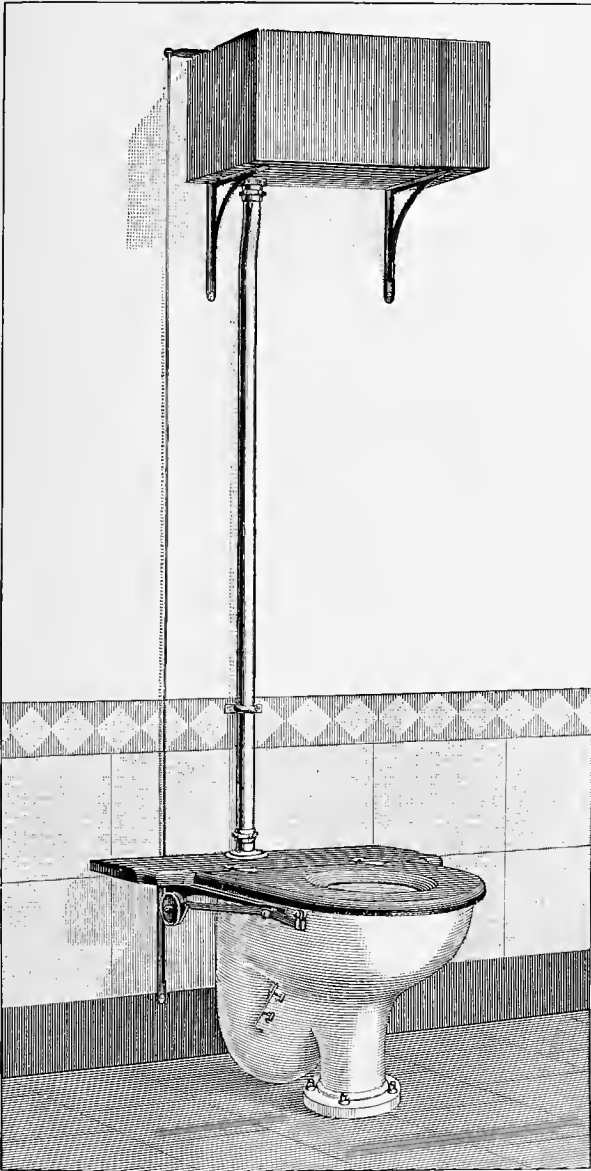


PLATE 55—C.

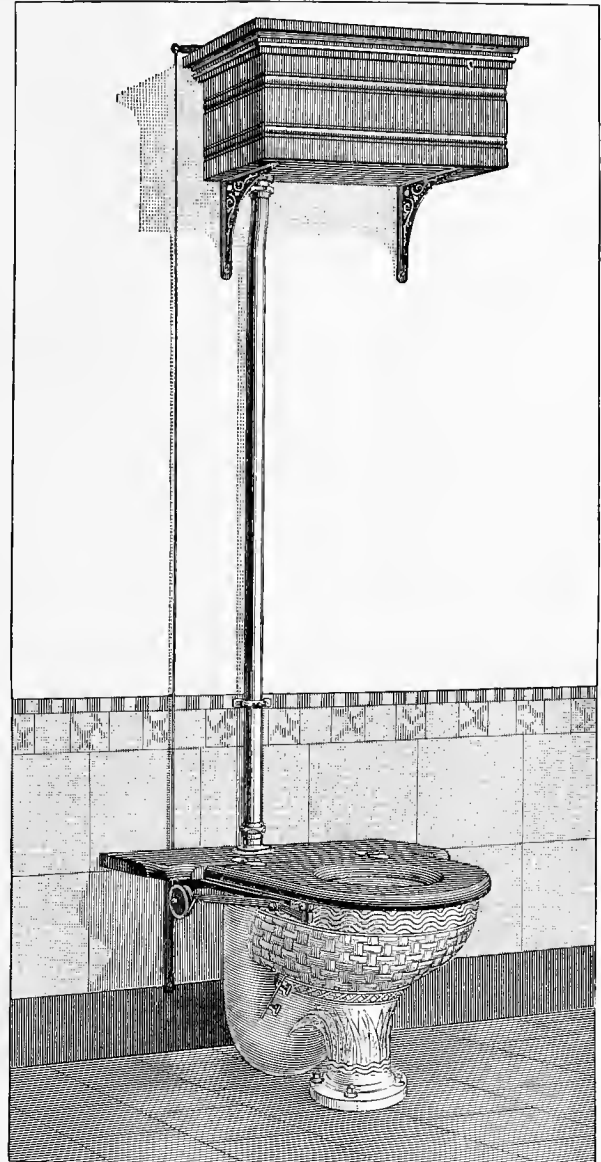


PLATE 56—C.

THE "BRIGHTON" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

AUTOMATIC APPARATUS.

PLATE 55—C, consists of the "BRIGHTON" WATER-CLOSET, IMPROVED, with patent brass floor connection, No. 2 Waste-preventing cistern, brackets, cherry seat, and improved seat action attachment and patent wire.

PLATE 56—C, consists of the "BRIGHTON" WATER-CLOSET, IMPROVED, embossed basket design, with patent brass floor connection, No. 2 Waste-preventing cistern, cabinet finished, bronzed brackets, cherry seat, and improved seat action attachment and patent wire.

The above Apparatus is automatic in action: when the seat is relieved, about $2\frac{1}{2}$ gallons of water at once flushes out the contents of the closet. The construction of the lever is such as to insure a minimum of friction. The use of patent steel wire between the seat and tank levers prevents stretching, and the consequent disarrangement of the apparatus.

THE "BRIGHTON" WATER-CLOSET.

WITHOUT TRAP.

PATENTED.



PLATE 57-C.

PLATE 57-C, consists of the Improved "BRIGHTON" WATER-CLOSET, WITHOUT TRAP, No. 7 "Em Ess" or copper-lined tank, japanned brackets, chain and celluloid pull.

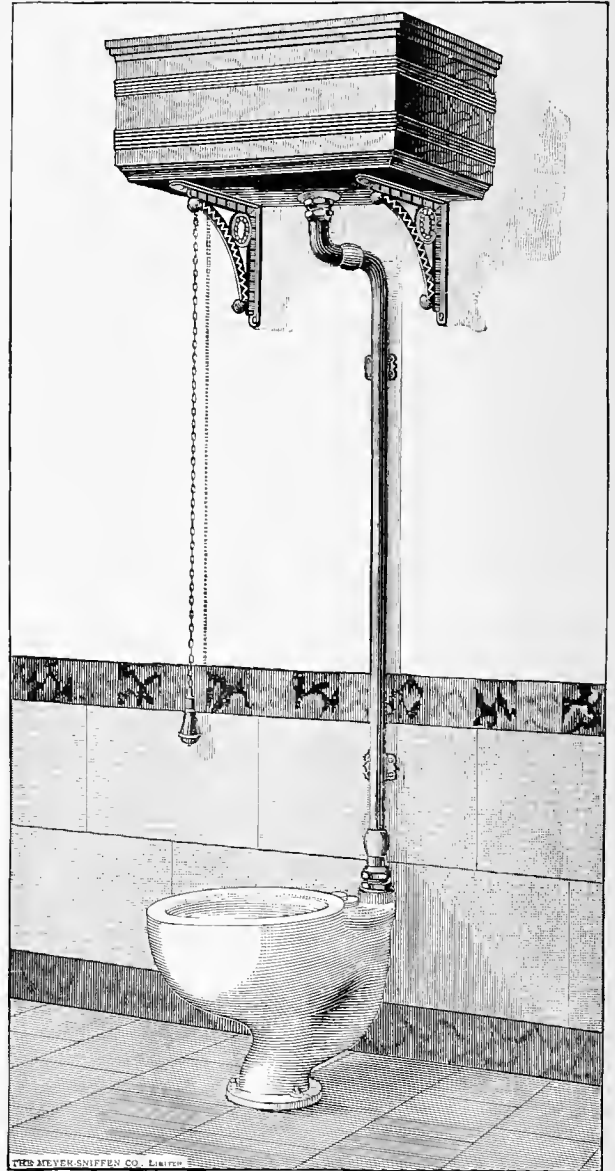


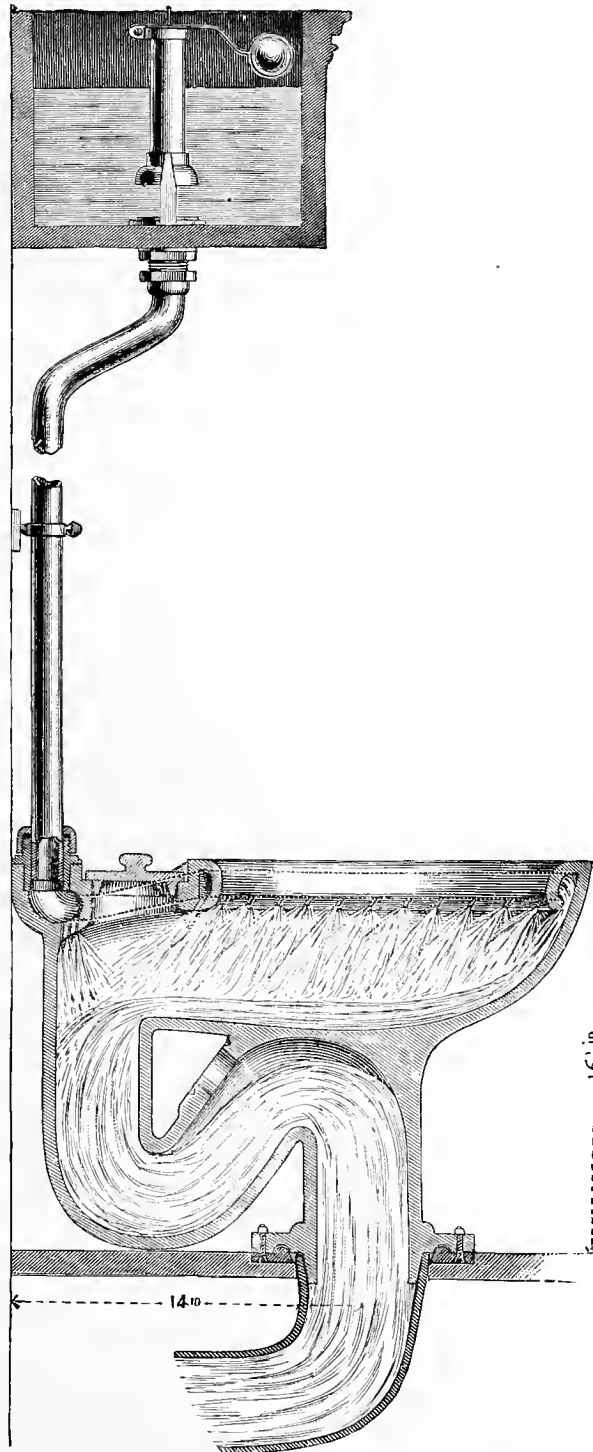
PLATE 58-C.

PLATE 58-C, consists of the Improved "BRIGHTON" WATER-CLOSET, WITHOUT TRAP, No. 7 Cabinet-finished tank, brassed brackets, chain and ivory celluloid pull.

The "BRIGHTON" WATER-CLOSET, as illustrated above, WITHOUT TRAP, is intended to be used with the trap under the floor, and is specially adapted to take the place of a pan closet or a hopper where it is not necessary to alter the pipes.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.

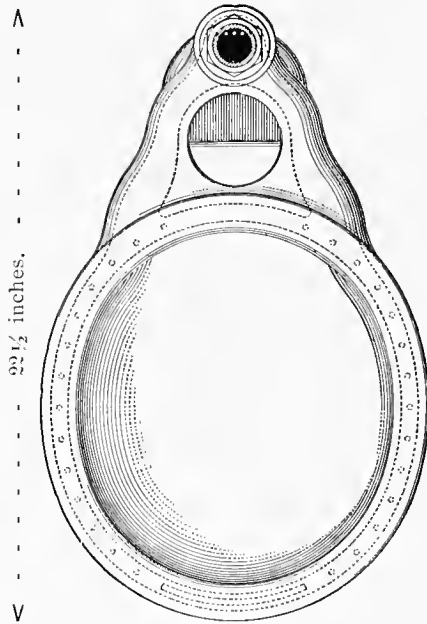


Showing the Improved "BRIGHTON" in operation fitted up with brass flush pipe. Jets of water wash down the back of the outlet of the closet, and keep that part perfectly clean. The entire flush rim is arranged with openings directed toward the outlet, and so placed that every part of the inner wall of the closet is thoroughly flushed.

The inlet coupling to the flush rim is so arranged that a brass flush pipe may be connected to it by a slip joint. We furnish also an offset slip coupling if it is desired to have the centre of the closet more than 14 inches from the wall to centre of outlet.

THE "BRIGHTON" WATER-CLOSET.

PATENTED.



PLAN.

The double inlet to the flushing rim is made solid with the bowl and passes around the opening in the back, which may be used for local ventilation or for access to the interior of the trap. Attention is called to the perforations in the flushing inlet directly over the back of the outlet of the closet, through which jets of water wash down and wet that part before the contents of the basin passes down into the trap, which insures it from becoming foul.

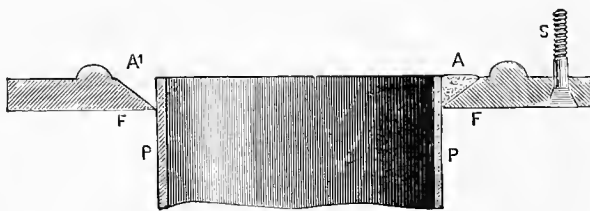
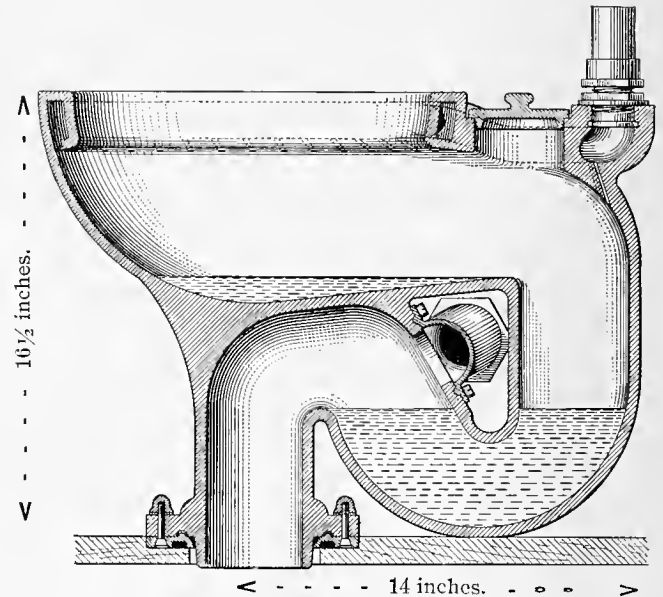


FIG. 1.



SECTION OF IMPROVED "BRIGHTON."

The vent opening to the trap is located where it is not liable to stoppage, its position is such, also as to be least in the way.

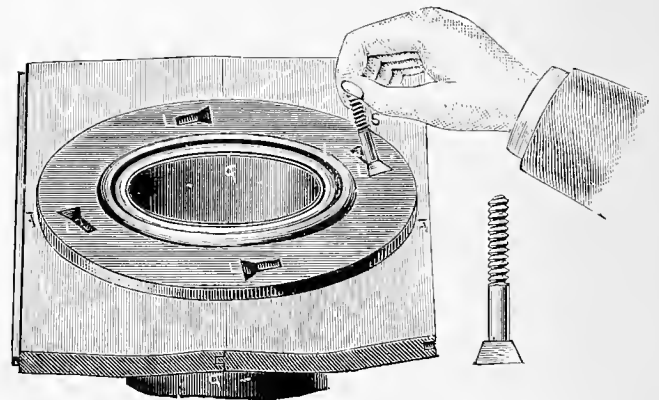


FIG. 2.

The above illustrations show the method of making the joint with the patent brass floor connection furnished with the "BRIGHTON." Fig. 1 shows a section of the lead bend used in connecting to the soil pipe. A¹ is the beveled rim of the flange and A shows a section of the same after the lead is soldered. Fig. 2 shows the method of fitting the bolts. The flange has an annular tongue or projection that fits into a groove made to receive it on the under-side of the water-closet flange. Into this groove a packing is inserted, making, we believe, the best joint yet devised, between an all earthenware water-closet and the soil pipe.

THE "PEMBERTON" WATER-CLOSET.

PATENTED.

IT is often desirable to have the trap portion of a Water-Closet of metal, so that it may be connected to the soil pipe system and thus become a part of the same, with the result that the joint of the bowl, the earthenware portion, will then be on the house side of the trap, and an accidental leak at that point will not be of a serious nature.

We offer the "PEMBERTON," as undoubtedly the first and most favorably known of this class of water-closet, to meet all such requirements. The Bowl of the "PEMBERTON" is identical with the "BRIGHTON," and has all the special features peculiar to it, with the addition of a separate trap of different material and construction to suit the special conditions referred to.

THE "PEMBERTON" WATER-CLOSET.

WITH BRASS TRAP.

PATENTED.

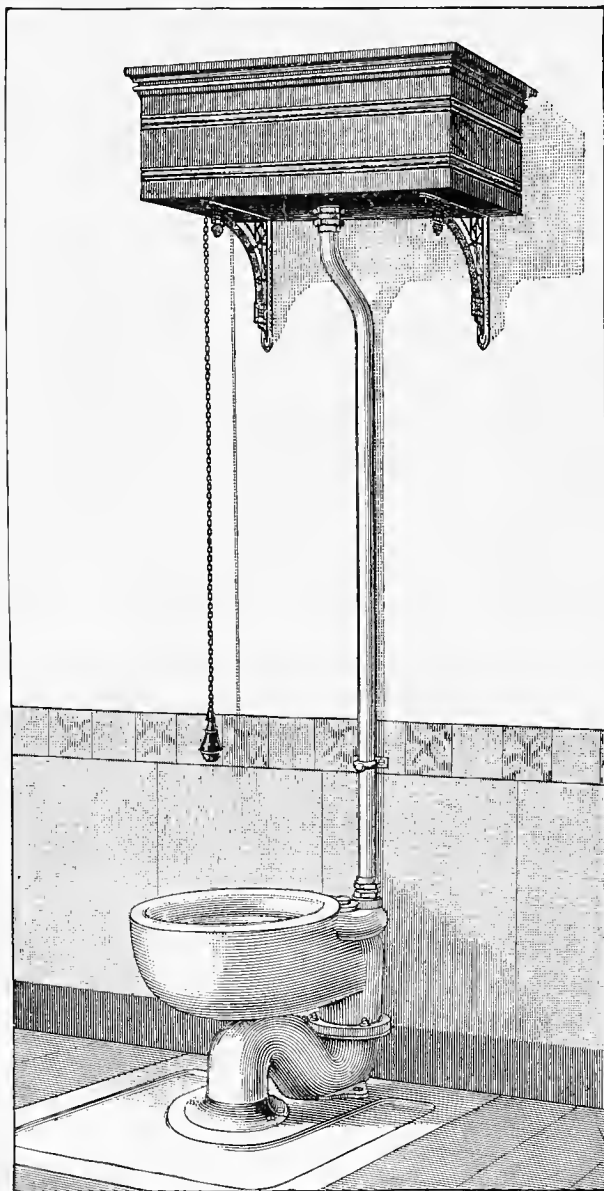


PLATE 59-C.

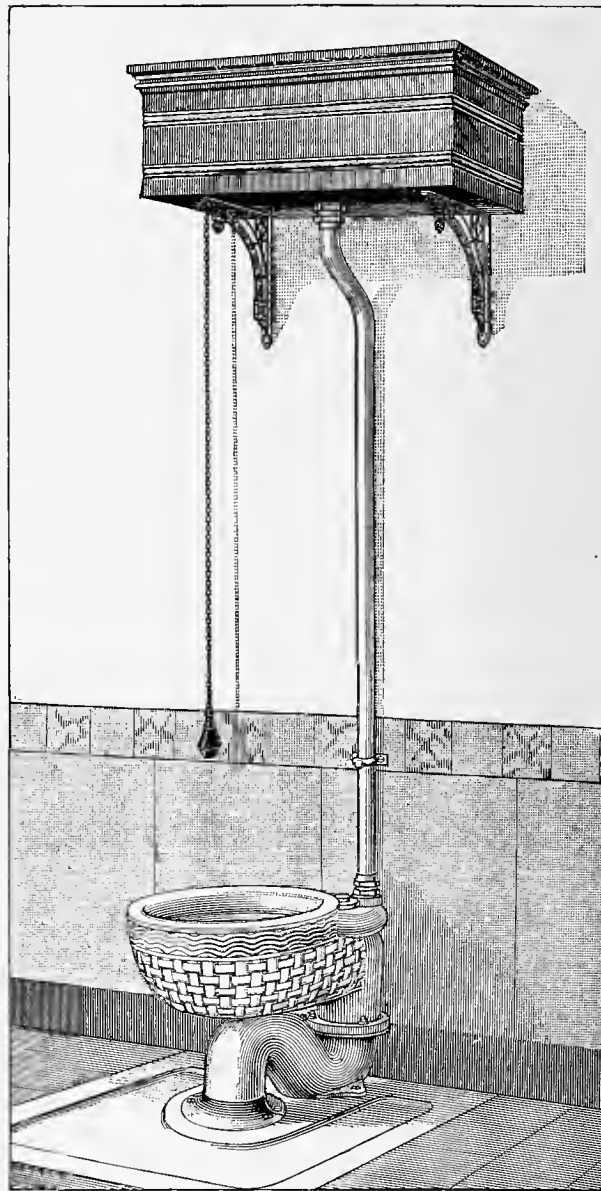


PLATE 60-C.

THE "PEMBERTON" WATER-CLOSET, PLAIN WHITE OR IVORY TINTED BOWL.

PLATE 59-C, consists of the "PEMBERTON" WATER-CLOSET, with BRASS TRAP, No. 7 cabinet-finished tank, brassed brackets, chain, and ivory celluloid pull.

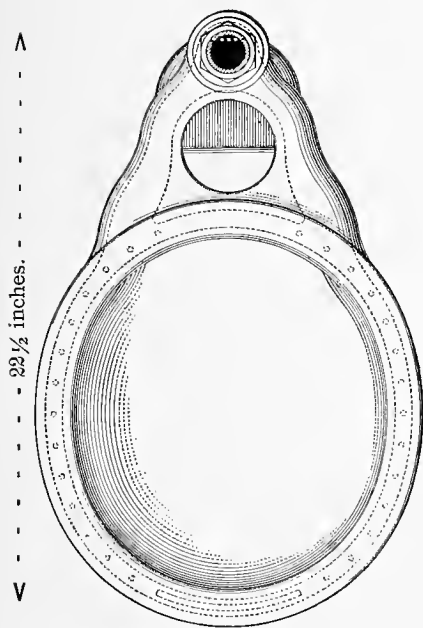
PLATE 60-C, consists of the "PEMBERTON" WATER-CLOSET, with BRASS TRAP, No. 7 cabinet-finished tank, brassed brackets, chain, and ivory celluloid pull, with EMBOSSED BOWL (basket pattern).

The special feature of this apparatus is the brass trap, which is capable of being soldered to the lead bend, thus securing a perfect joint with the soil pipe. Although we illustrate only two forms of apparatus, the closet is furnished with different styles of tanks and seats, the same as the "Brighton" Water-Closet apparatus.

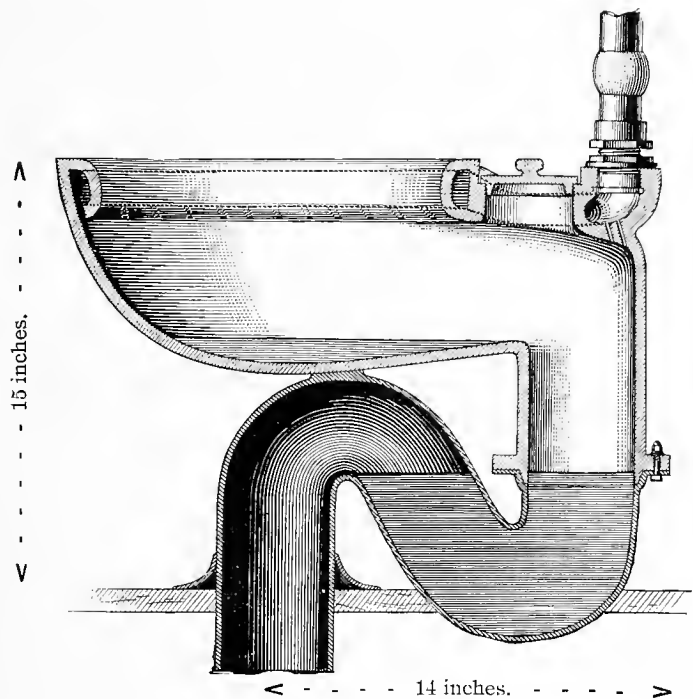
THE "PEMBERTON" WATER-CLOSET,

WITH BRASS TRAP.

PATENTED.



PLAN.



SECTION.

The arrangement as seen in the "plan" of the "PEMBERTON" is, without doubt, the best construction for the flush rim and inlet pipe now in use. The double inlet to the flushing rim is made solid with the bowl and passes around the opening in the back, which may be used for local ventilation or for access to the interior of the trap. Attention is called to the perforation in the inlet directly over the back of the outlet of the closet, through which jets of water wash down and wet that part before the contents of the basin passes down into the trap, which insures it from becoming foul.

The trap is of brass and can be soldered to the lead bend, thus securing a perfect joint with the soil pipe; the vent or "back air" to the trap is preferably taken out of the bend by a soldered joint.

THE "PEMBERTON" WATER-CLOSET,
WITH IRON TRAP TO CALK IN.

PATENTED.

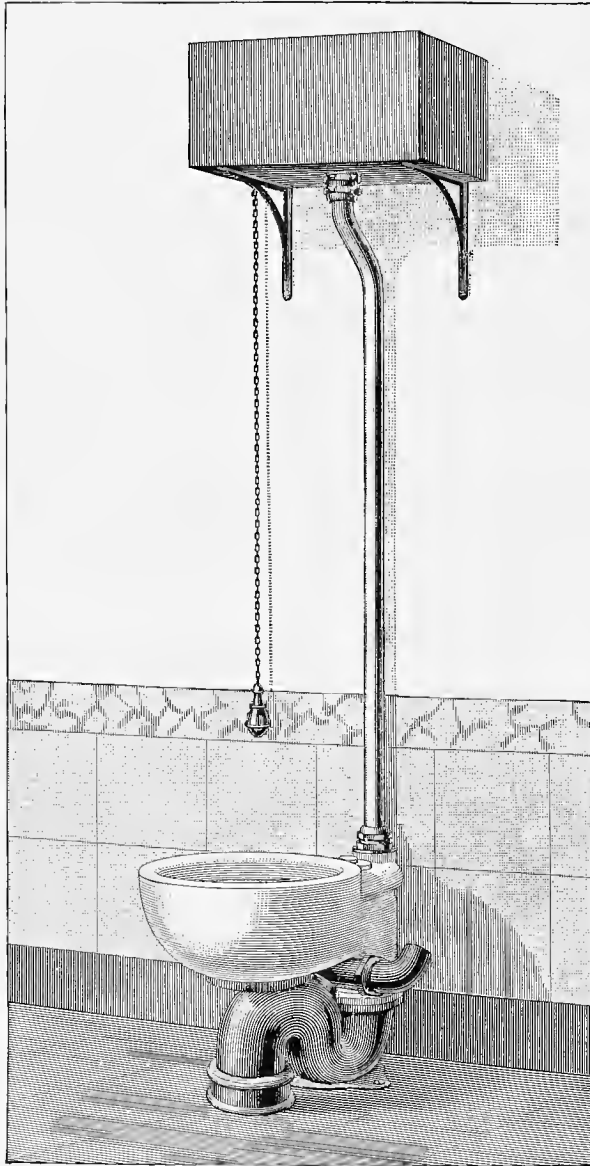


PLATE 61-C.

PLATE 61-C, consists of the Improved "PEMBERTON" WATER-CLOSET, *Iron Trap* to calk in, with No. 10 copper-lined tank, brackets, chain and pull.

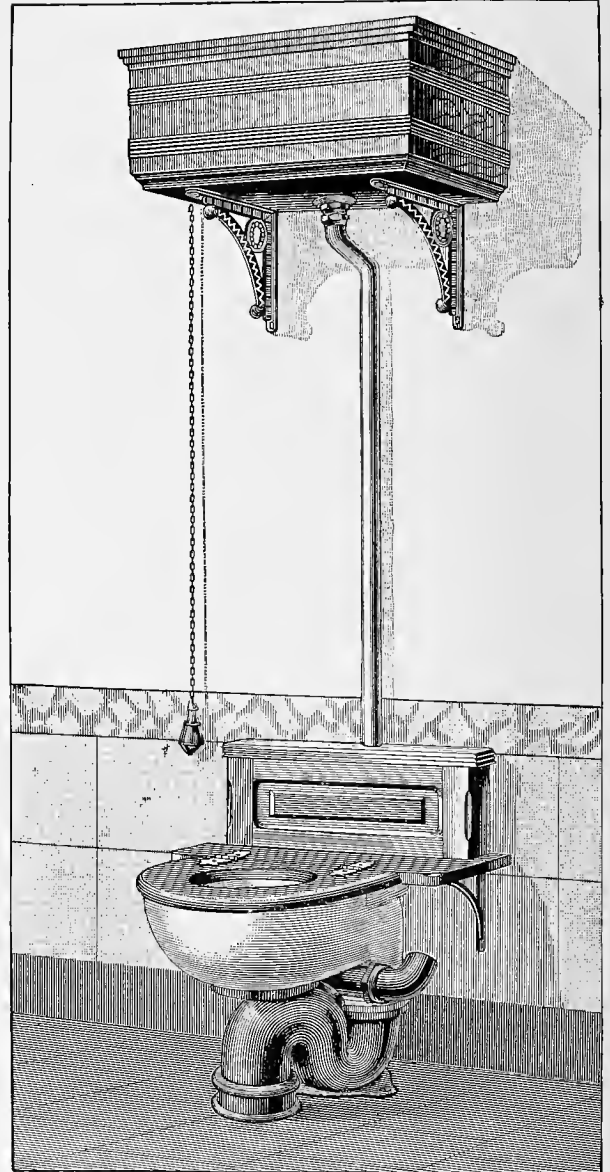


PLATE 62-C.

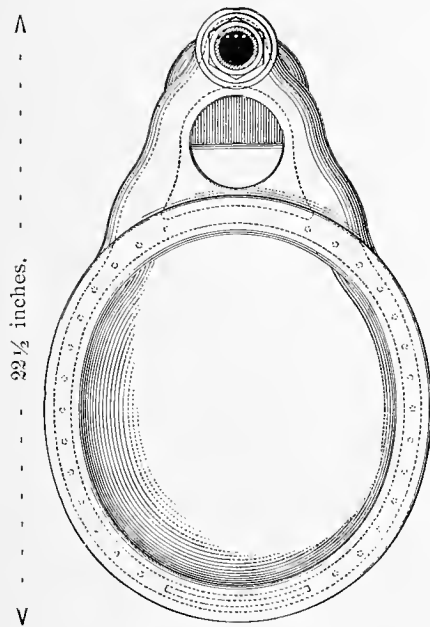
PLATE 62-C, consists of the Improved "PEMBERTON" WATER-CLOSET, *Iron Trap* to calk in, with No. 10 cabinet finished, copper-lined tank, nickel or brass plated brackets, chain and pull, and cherry seat with back and japanned brackets.

In operating the above apparatus, it is simply necessary to hold the pull about two seconds to thoroughly flush the closet. The tank mechanism is of the simplest construction, and is unquestionably most durable.

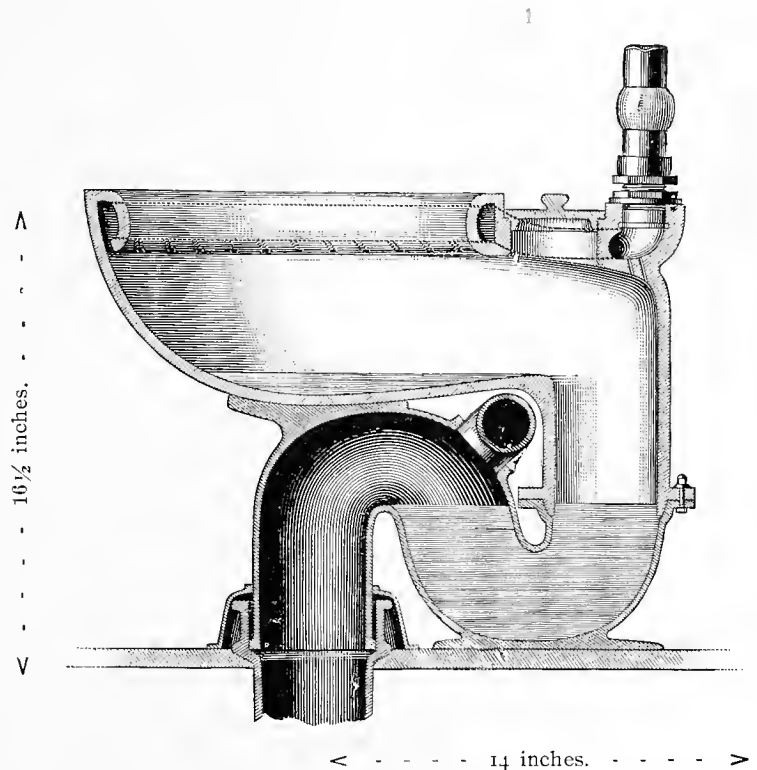
THE "PEMBERTON" WATER-CLOSET,

WITH IRON TRAP TO CALK IN.

PATENTED.



PLAN



The double inlet to the flushing rim is made solid with the bowl and passes around the opening in the back, which may be used for local ventilation or for access to the interior of the trap. Attention is called to the perforations in the flushing inlet directly over the back of the outlet of the closet, through which jets of water wash down and wet that part before the contents of the basin passes down into the trap, which insures it from becoming foul.

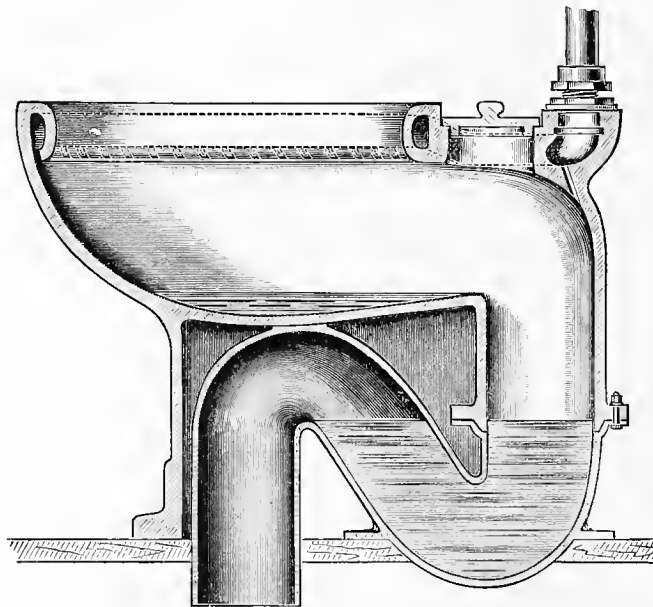
The Trap of the Water-Closet is enameled inside, and, as shown in the sectional cut, is arranged to calk into the soil-pipe with the hub above the floor, making an unquestionably perfect joint. A loose flange is provided, if desired, to cover the end of the soil-pipe. The vent is located almost on top of the trap at the back, undoubtedly the *best* location for it, and may be used either to the right or left side of the closet to connect to the back air pipe.

THE IMPROVED "PEMBERTON" PEDESTAL WATER-CLOSET.

PATENTED.



A form in which the base of the closet incases the metal trap, retaining the important features of the metal trap and gaining the cleanliness of an all Porcelain Water-Closet.



SECTIONAL VIEW.

The Trap of this Water-Closet is made of Brass, and as it is to be fitted within the porcelain base, it is unfinished. It is made with the same depth of seal and fitted to the basin in the same manner as the "PEMBERTON" Water-Closet with brass trap.

THE IMPROVED "PEMBERTON" PEDESTAL WATER-CLOSET.

PATENTED.

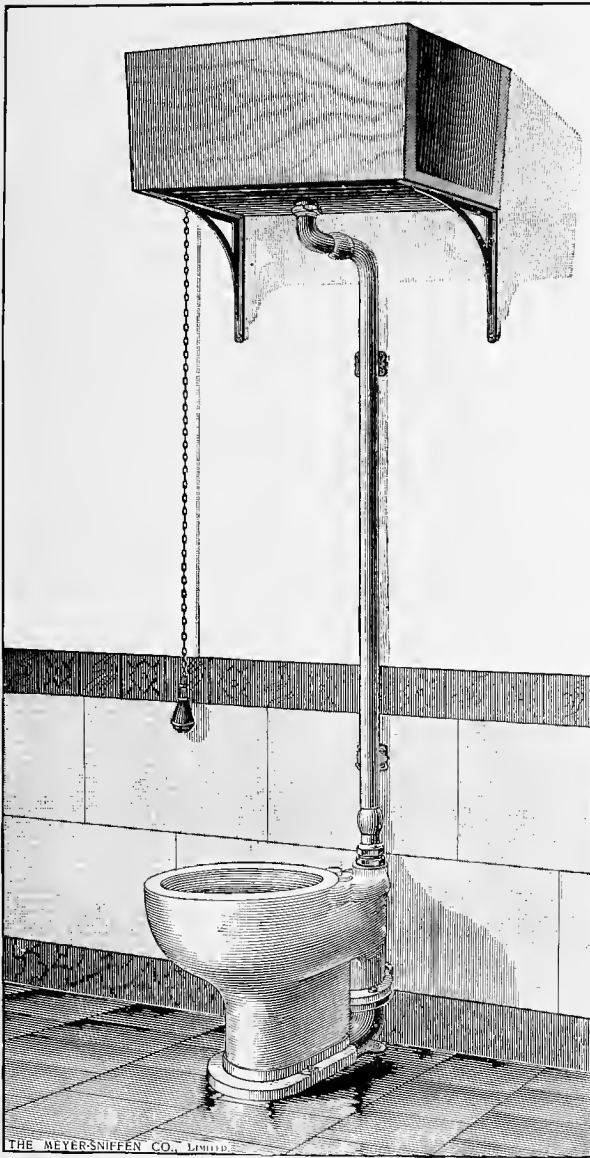


PLATE 63—C.

PLATE 63—C, consists of the IMPROVED "PEMBERTON" PEDESTAL WATER-CLOSET, with BRASS TRAP, No. 7 "Em-Ess" cast lead or copper-lined tank, japanned brackets, chain and celluloid pull.

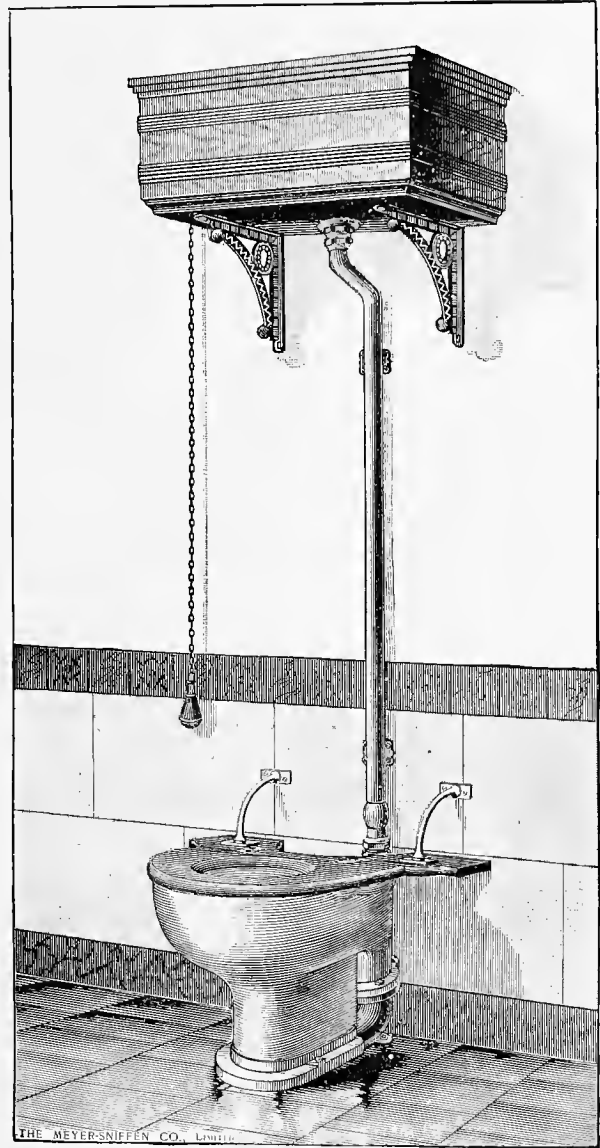


PLATE 64—C.

PLATE 64—C, consists of the IMPROVED "PEMBERTON" PEDESTAL WATER-CLOSET, with BRASS TRAP, No. 7 cabinet-finished tank, brassed brackets, chain and ivory celluloid pull, round front cherry seat and brass supporting arms.

The metal trap in the IMPROVED "PEMBERTON" PEDESTAL WATER-CLOSET is encased within the base of the closet. Although we illustrate only two apparatus of this closet it will be furnished as desired with similar accessories as the Improved "Brighton"

In operating the above apparatus, it is simply necessary to hold the pull about three seconds to thoroughly flush the closet. The tank mechanism is of the simplest construction, and without doubt most durable.

THE "PEMBERTON" WATER-CLOSET.

PATENTED.

WITH PATENT ADJUSTABLE TRAP.

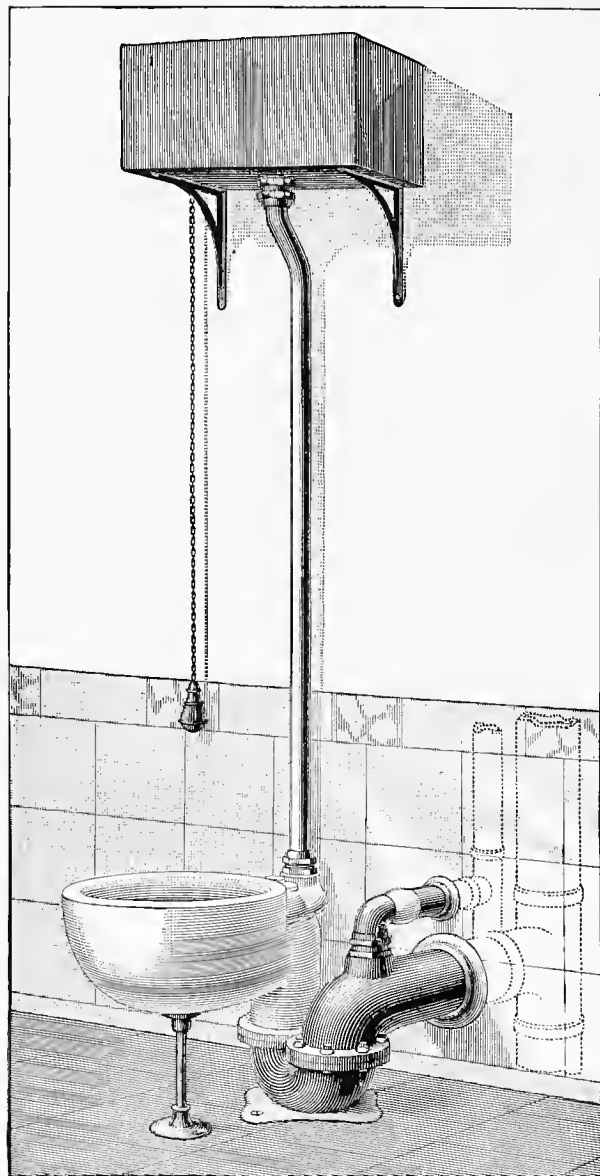


PLATE 65-C.

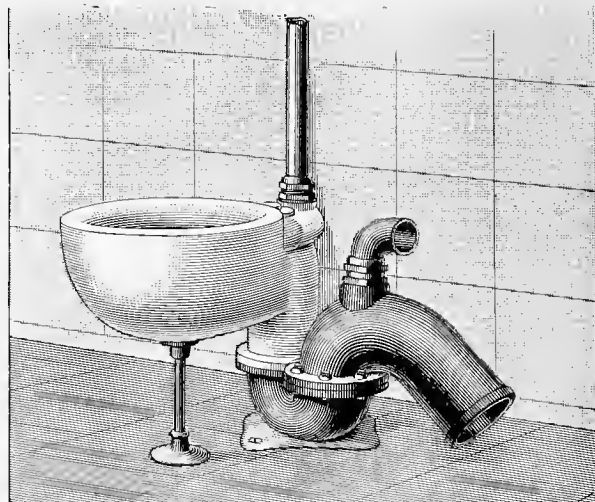


PLATE 66-C.

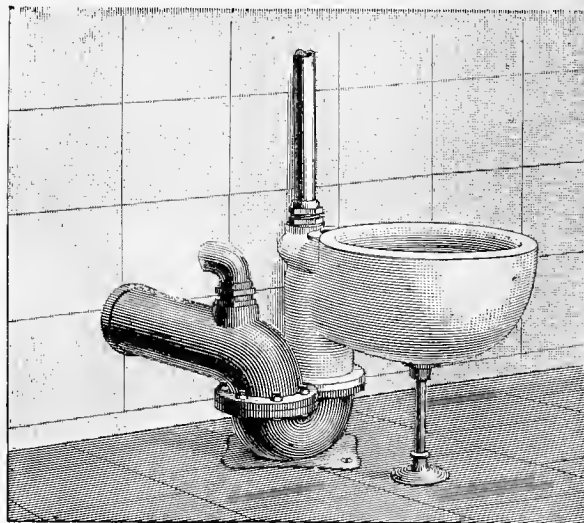


PLATE 67-C.

PLATE 65-C, consists of the "PEMBERTON" WATER-CLOSET, with patent $\frac{1}{2}$ -S adjustable iron trap and support, No. 7 "Em-Ess," or copper-lined tank, japanned brackets, pull and chain. PLATE 66-C, illustrates a $\frac{3}{4}$ -S adjustable trap, and PLATE 67-C, illustrates the $\frac{1}{2}$ -S adjustable trap located on the opposite side.

It is often desirable to have the trap of the water-closet enter the soil-pipe above the floor on which it stands, or to have the closet set directly on a beam. This has heretofore been impossible with most of the better forms of water-closets. With the Adjustable Trap (patented) here offered, the opening of the soil-pipe may be located on either side or back of the closet, above the floor line, or alongside of the beam (thereby avoiding the necessity of cutting same), and connected directly to the trap of the water-closet by calking into the pipe in the usual way. The trap is iron, porcelain-lined and securely bolted.

The Trap is so constructed that a connection can be made to the soil-pipe at almost any angle.

THE "VORTEX" SYPHON WATER-CLOSET.

PATENTED.

THE "VORTEX" WATER-CLOSET is the outcome of the demand for a simple deep seal bowl, that will flush-out quickly and noiselessly, and operate under any of the conditions that a wash-out water-closet is adapted to. The "VORTEX" is the result of a series of severe practical experiments with that object in view, and we believe it to be unsurpassed by any other syphon closet in the market. It has also some features, not possessed by any other closet, that must be seen to be appreciated.

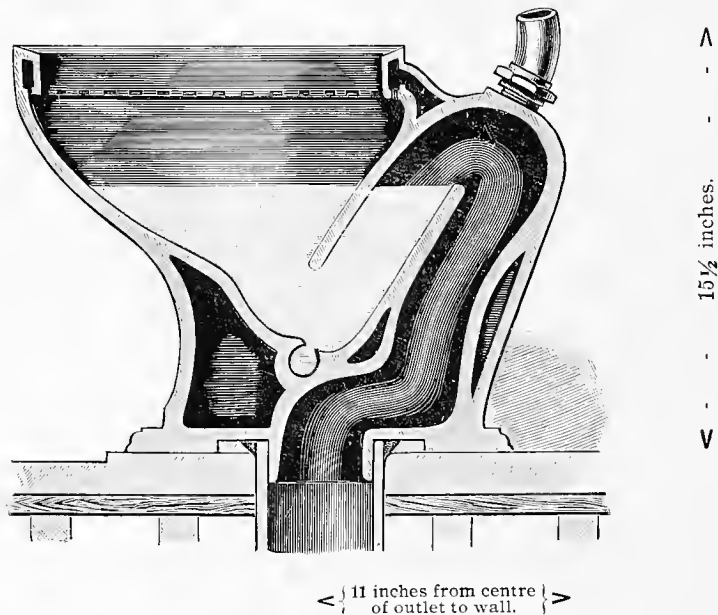
Although we illustrate in the accompanying plates only four combinations of the "VORTEX," any style of tank and seat, fittings, etc., may be furnished, as shown in the various plates of the "BRIGHTON," "PEMBERTON," and "HELLYER." We also have in stock the Ivory Embossed "VORTEX," *outlined in gold*, which makes a beautiful, quiet decoration, unsurpassed by any other closet of its kind.

THE "VORTEX" SYPHON WATER-CLOSET.

PATENTED.



THE "VORTEX," EMBOSSED, WHITE PORCELAIN OR IVORY TINT.

SECTION OF "VORTEX," SHOWING DEPTH OF WATER IN BOWL
AND BRASS FLANGE CONNECTION.

THE "VORTEX" is an all porcelain syphon closet, the bowl of which contains (as shown in sectional cut) a deep body of water, forming an efficient seal against the passage of sewer air, and more than enough to thoroughly submerge any deposit of faecal matter.

THE "VORTEX" SYPHON WATER-CLOSET.

PATENTED.

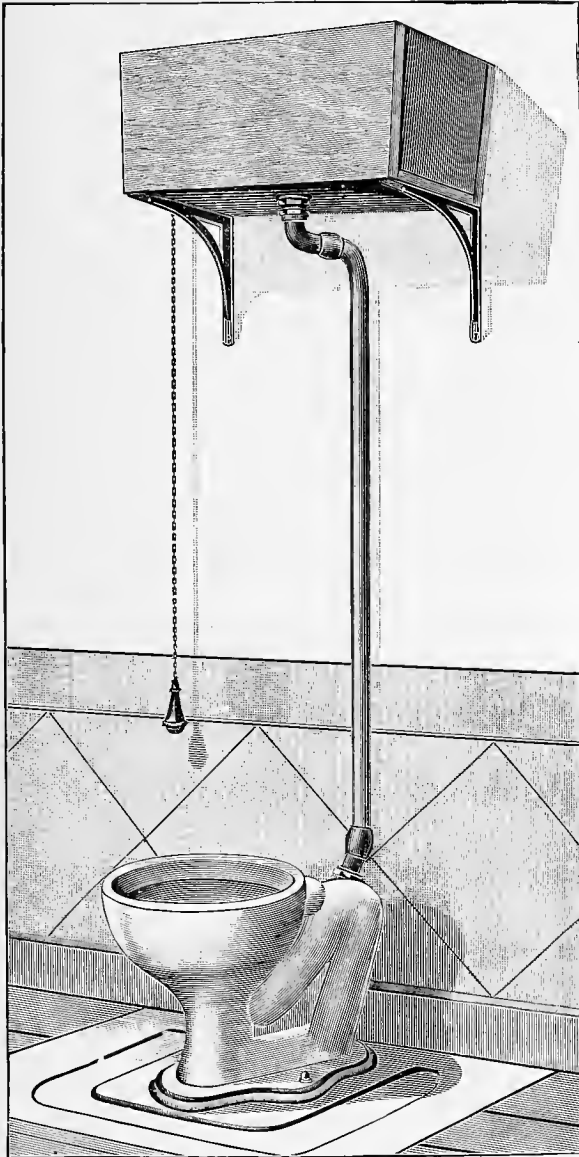


PLATE 68-C.

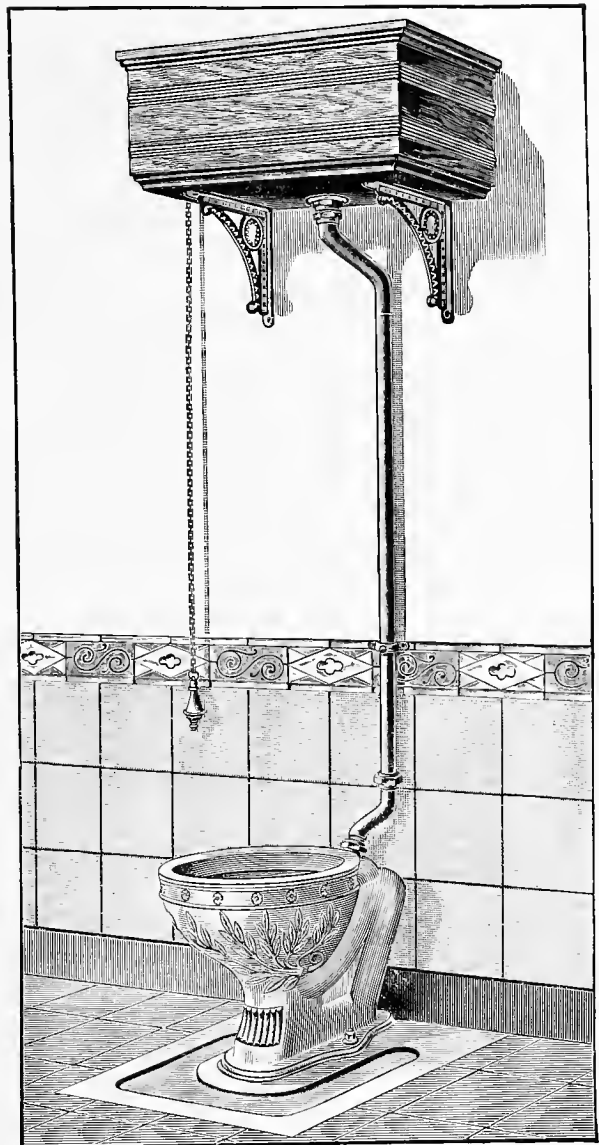


PLATE 69-C.

THE "VORTEX" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 68-C, consists of the "VORTEX" WATER-CLOSET, with brass flange connection, and coupling, No. 9 copper tank, japanned brackets, chain and pull.

PLATE 69-C, consists of the "VORTEX" WATER-CLOSET, EMBOSSED, with brass flange connection and coupling, No. 9 cabinet-finished tank, brassed brackets, chain and ivory celluloid pull.

In operation, a slight pull of the handle discharges a portion of the water in the tank, that completely and almost noiselessly empties the bowl of its contents, which refills automatically with clean water.

THE "VORTEX" SYPHON WATER-CLOSET.

PATENTED.

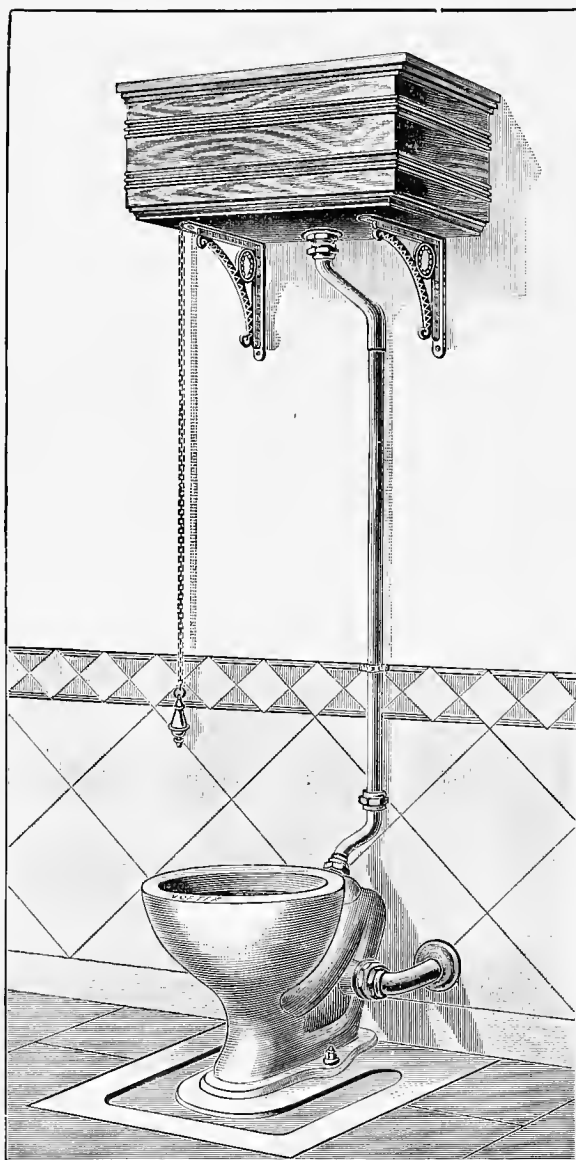


PLATE 70-C.

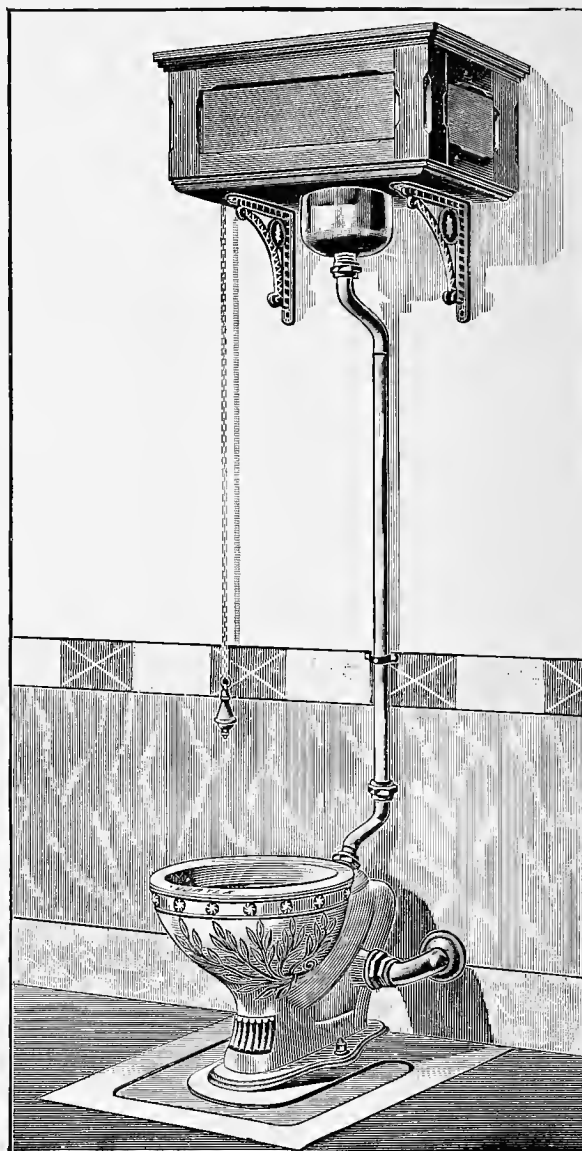


PLATE 71-C.

THE "VORTEX" WATER-CLOSET, WHITE PORCELAIN OR IVORY TINT.

PLATE 70-C, consists of the "VORTEX" WATER-CLOSET, with trap vent and pipe to wall, brass flange, No. 9 cabinet-finished tank, nickel or brass plated brackets, chain and ivory celluloid pull.

PLATE 71-C, consists of the "VORTEX" WATER-CLOSET, EMBOSSED, with trap vent and pipe to wall, brass flange, No. 13 paneled tank, brass service-box, nickel or brass plated brackets, chain and ivory celluloid pull.

In operation, a slight pull of the handle discharges a portion of the water in the tank, and completely and almost noiselessly empties the bowl of its contents, which refills automatically with clean water.

THE “ADELPHI” WATER-CLOSET

THE “ADELPHI” WATER-CLOSET, illustrated in the following pages, is offered to meet the request of some of our customers for a front outlet water-closet of a better character than is usually found in the market. In this water-closet we have carefully constructed the flush rim to obviate the difficulty of the splashing up of the water in front, even with a strong flush, which has hitherto been an objection to this style of closet. It is made in a solid piece of ornamental design, and can be recommended as being unsurpassed by any other closet of its kind in the market.

THE "ADELPHI" WATER-CLOSET.

PLATE 72—C.

PLATE 72—C, consists of the "ADELPHI" WATER-CLOSET, ivory tint, ornamented in gold lines, with brass floor flange and "back-air" to wall, No. 9 or No. 10 cherry tank, ornamented with brass bands (No. 9 is fitted with a syphon valve ; No. 10 is fitted with a plain valve), brass brackets, brass flush pipe, cherry seat with brass brackets. If preferred, other wood may be substituted for the cherry, or any other of our various styles of tanks.

For dimensions and measurements and description of operation, see page 73.

THE "ADELPHI" WATER-CLOSET.

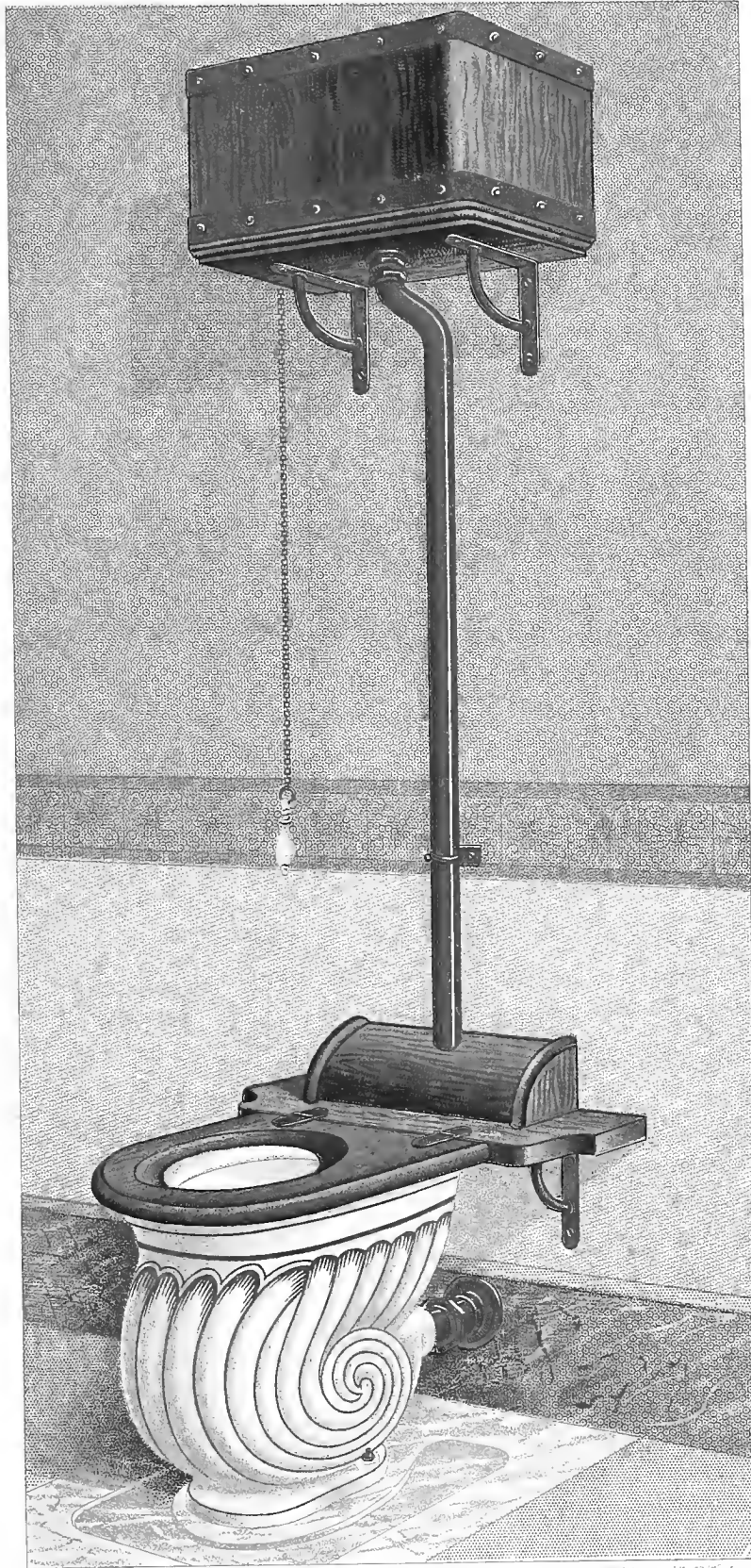
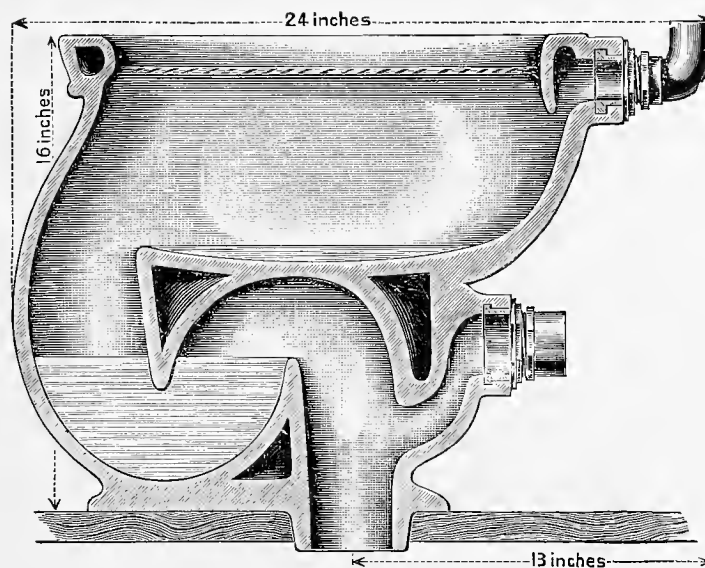


PLATE 72—C.

THE "ADELPHI" WATER-CLOSET, IVORY TINT, DECORATED WITH GOLD LINES.

THE "ADELPHI" WATER-CLOSET.



SECTIONAL VIEW.

THE "ADELPHI" is an all-earthenware Water-Closet, in a solid piece, having the outlet in front. The lines of the closet are such that there is no splashing up of the water in front, which has been the objection heretofore to this style of closet. The ornamental design adds much to the appearance of the closet.

An important feature is the fact that on account of the shape of the basin it takes much less water to flush out than is usually required. We furnish this Closet with the same styles of tanks, seats, etc., as in the Improved "Brighton," although our cuts of the "Adelphi" show only two combinations.

THE "ADELPHI" WATER-CLOSET.

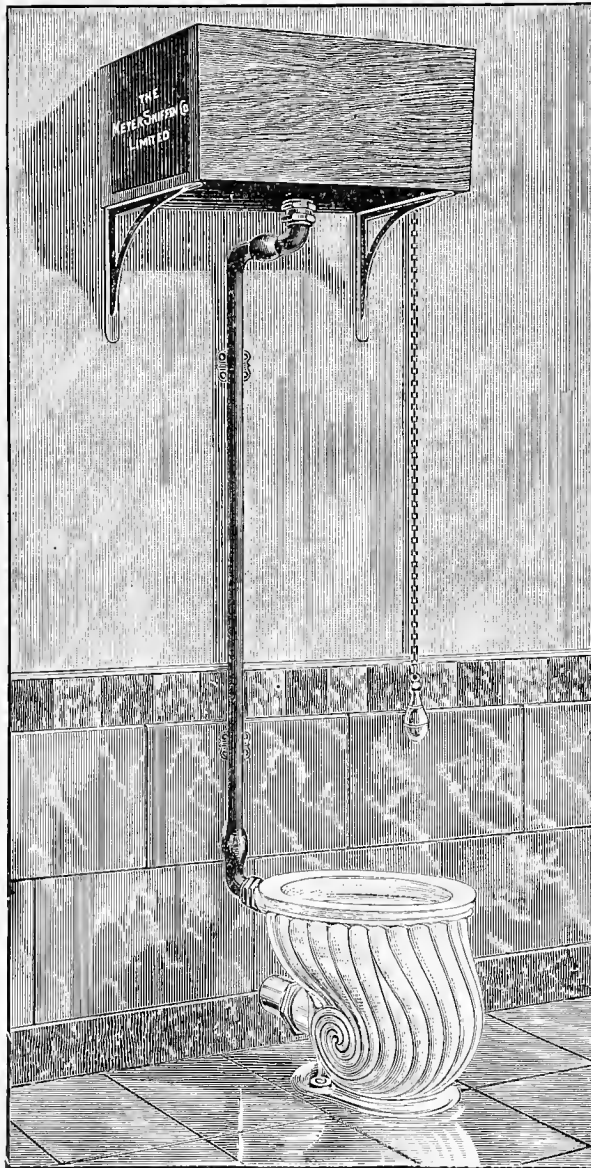


PLATE 73-C.

PLATE 73-C, consists of the "ADELPHI" WATER-CLOSET, with brass floor flange and couplings for supply and vent, No. 10 copper-lined tank, japanned brackets, pull and chain.

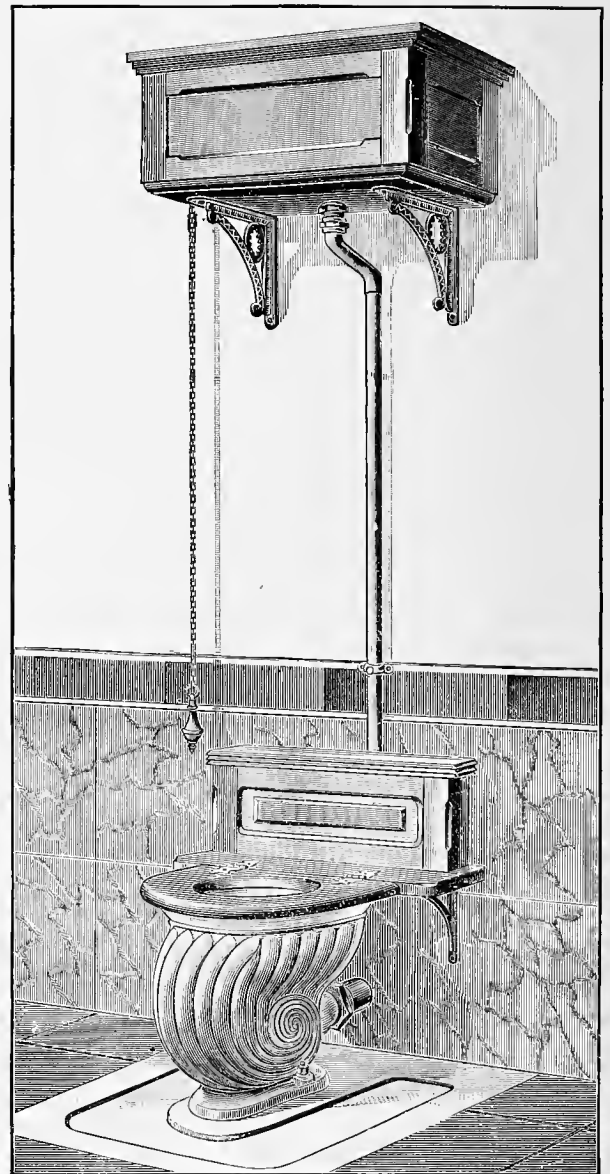


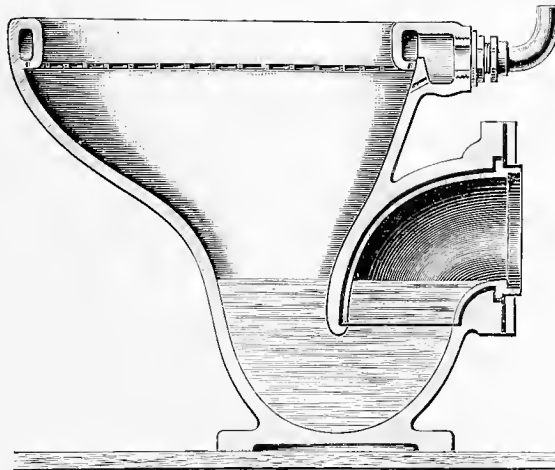
PLATE 74-C.

PLATE 74-C, consists of the "ADELPHI" WATER-CLOSET, with brass floor flange and couplings for supply and vent, No. 10 paneled cherry tank, fancy brassed brackets, pull and chain, round front, cherry seat and paneled back.

THE "HELLYER-OXFORD."

IMPROVED.

PATENT APPLIED FOR.



SECTIONAL VIEW.

THE "HELLYER-OXFORD" IMPROVED, as the illustration shows, is an all earthenware water-closet, with the bowl and trap in one piece, having the outlet at the back, and so constructed that the soil pipe may be connected to the closet in such a manner that the joint between the earthenware and the soil pipe is below the water line, thus making an indisputable and positive connection with the soil pipe.

It will be seen that a perfect connection is thus made by this device and that the only joint with earthenware is made under the water, with the resulting effects of retaining the appearance and outside cleanliness of the all earthen closet.

The sectional view shows a metallic (brass) lining to the outgo portion of the closet that is capable of being placed within the earthenware after it has been securely soldered or connected to the lead bend or pipe. The water in the trap is a perfect seal against any return of gas from the soil pipe *without* depending upon an earthenware joint. To prevent leaking around the brass curved lining it is simply necessary to use a slight amount of packing, which may be pointed up from within the bowl after the closet is connected, and a flange is provided to secure the closet permanently to the soil pipe by bolting the same to the earthenware flange.

THE "HELLYER-OXFORD" WATER-CLOSET, IMPROVED.

PATENT APPLIED FOR.

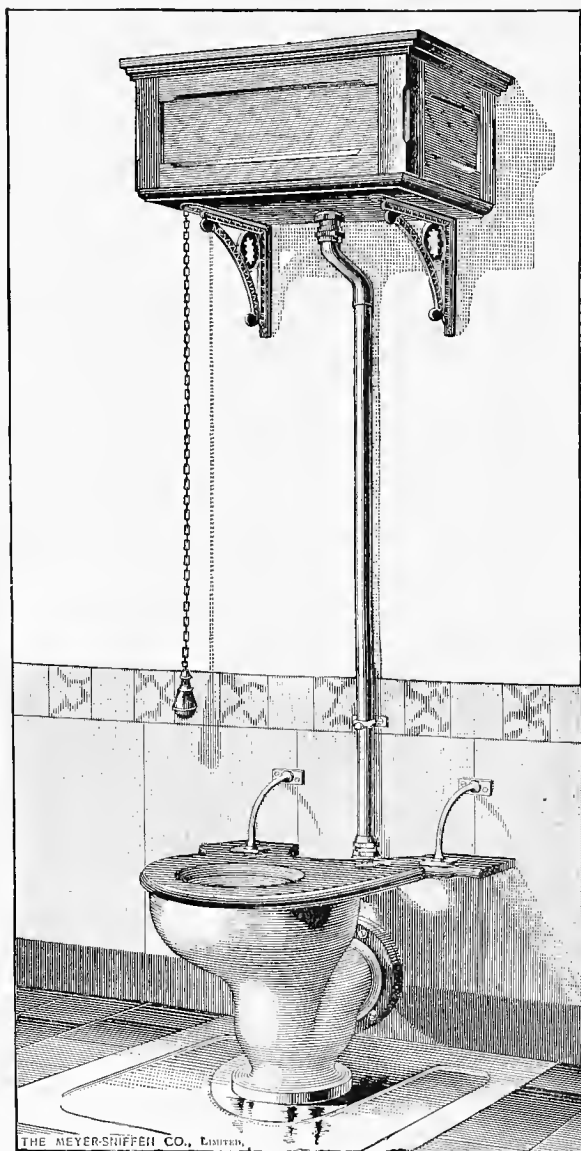


PLATE 75-C.

PLATE 75-C, consists of the Improved "HELLYER-OXFORD" WATER-CLOSET, patent brass connection and coupling, No. 9 or 10 paneled cherry tank (No. 9 is a syphon, No. 10 a plain valve), nickel or brass plated brackets, pull and chain, No. 6 cherry seat and brass supporting arms.

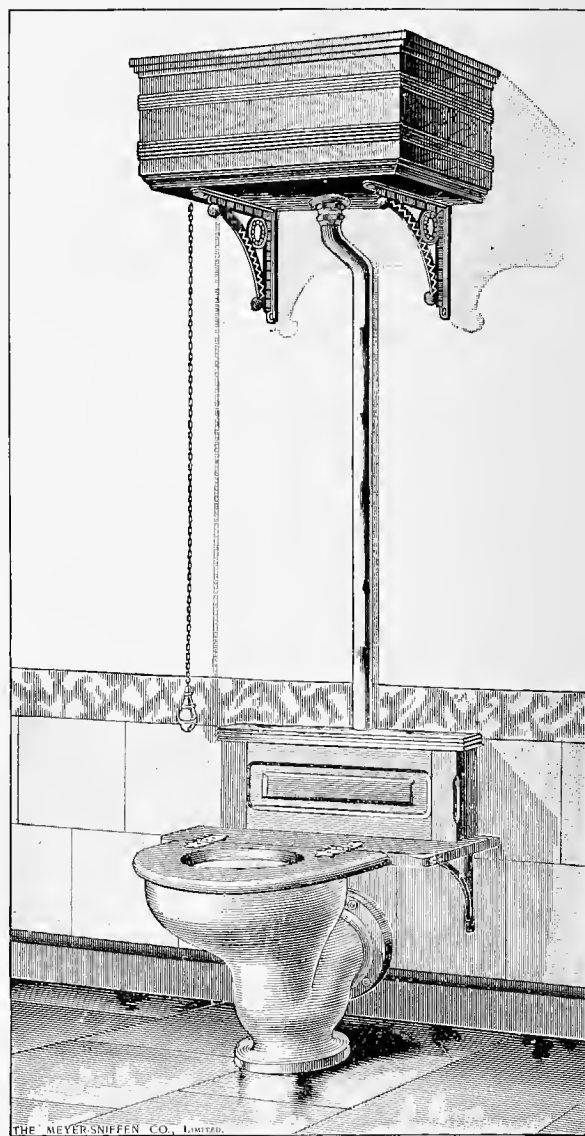


PLATE 76-C.

PLATE 76-C, consists of the Improved "HELLYER-OXFORD" WATER-CLOSET, patent brass connection and coupling, No. 9 or 10 cabinet-finished cherry tank, (No. 9 is a syphon, No. 10 a plain valve), nickel or brass plated brackets, pull and chain, No. 8 cherry seat and back, with japanned brackets.

For additional description of the Improved "HELLYER-OXFORD" WATER-CLOSET, see page 75.

THE "HELLYER-OXFORD" CLOSETS.

IMPROVED.

PATENT APPLIED FOR.

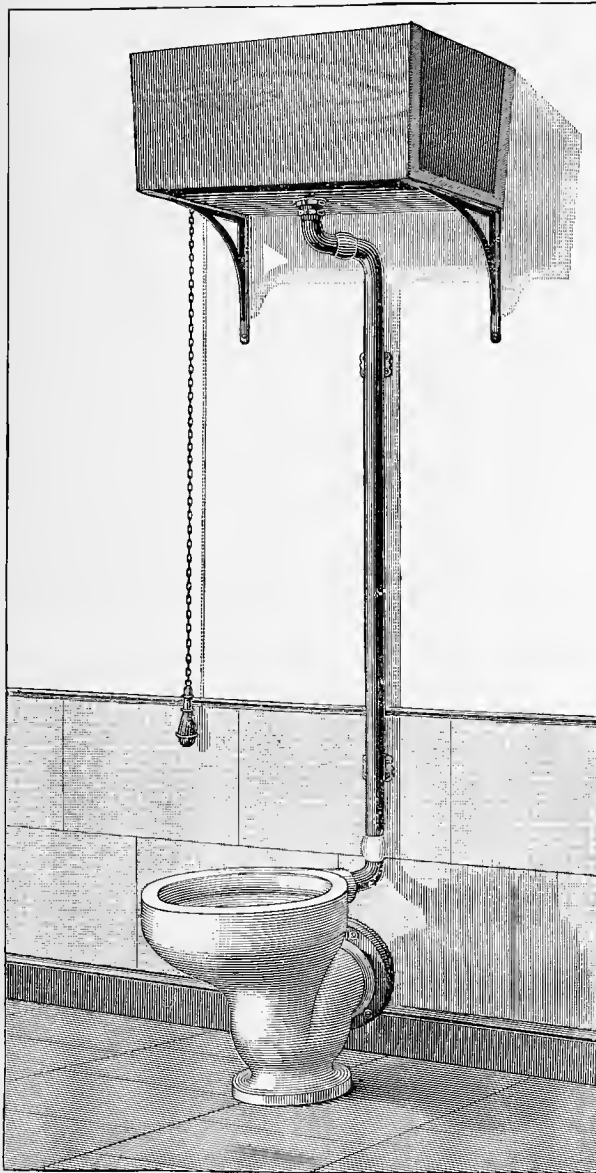


PLATE 77-C.

PLATE 77-C, consists of the Improved "HELLYER-OXFORD" CLOSET, patent brass flange connection and coupling, No. 7 "Em-Ess," or copper-lined tank, japanned brackets, chain and pull.

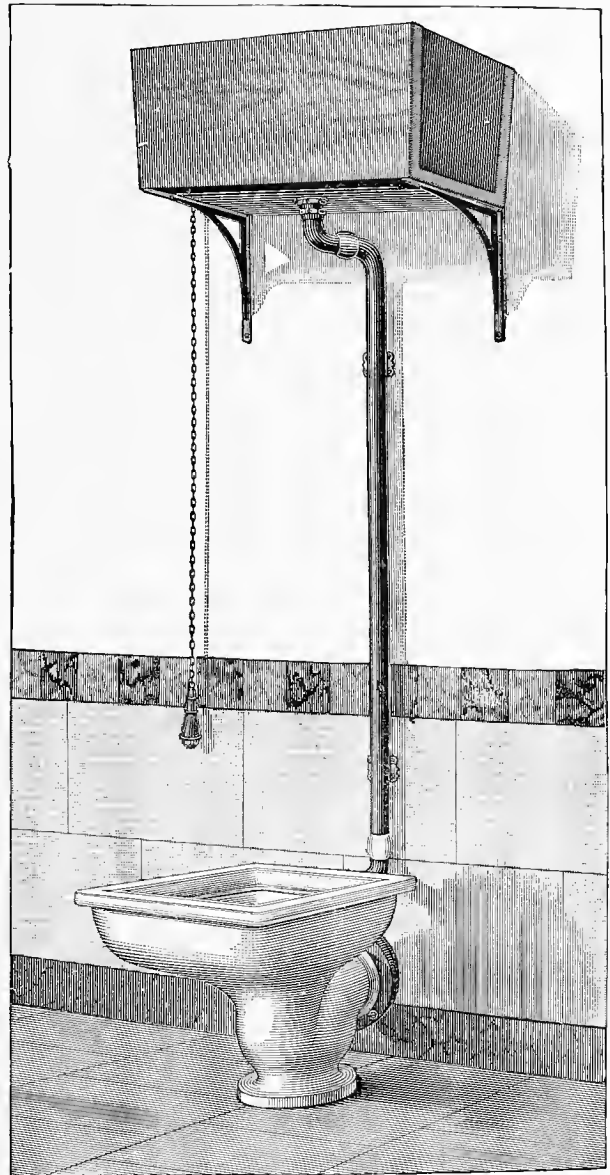


PLATE 78-C.

PLATE 78-C, consists of the Improved "HELLYER-OXFORD" SQUARE TOP WATER-CLOSET, patent brass flange connection and coupling, No. 7 "Em-Ess," or copper-lined tank, japanned brackets, chain and pull.

In operation the tank will deliver about $2\frac{1}{2}$ gallons in 3 seconds, which will completely flush out the contents of the closet leaving clear water in the bowl. In the No. 7 tank the valve closes at once when the pull is released; if desired the No. 9 syphon tank may be substituted, giving a full flush by a slight pull of the handle.

THE "HELLYER-OXFORD" AND THE "HELLYER" SHORT HOPPER AND TRAP.
AUTOMATIC WATER-CLOSET APPARATUS.

(OPERATED BY THE SEAT.)

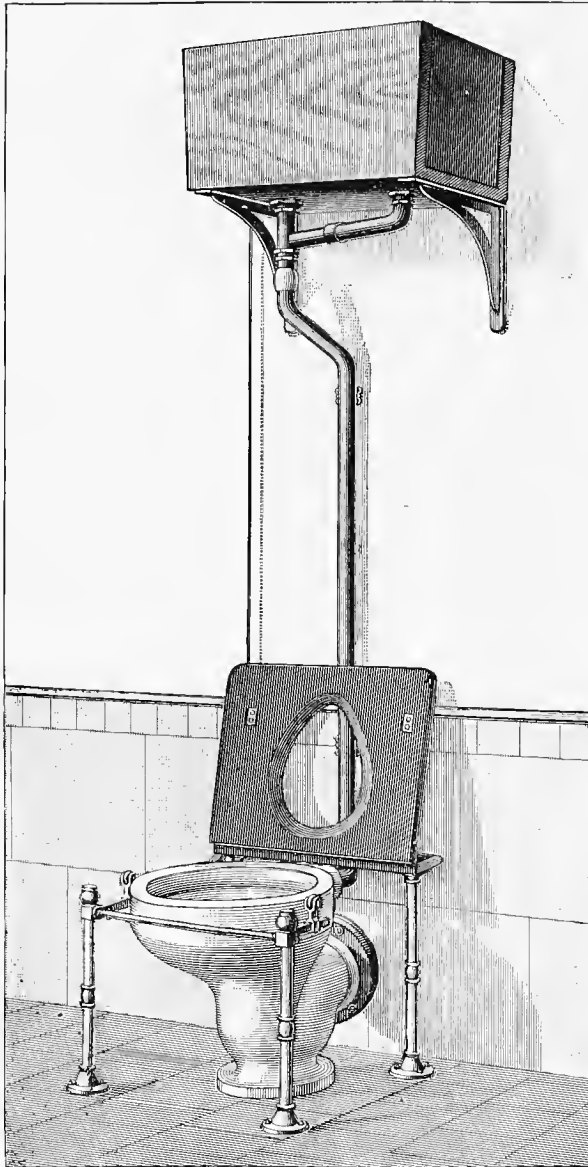


PLATE 79—C.

PLATE 79—C, consists of the "HELLYER-OXFORD" CLOSET, No. 5 "Em-Ess," cast lead-lined or copper Cistern (preliminary and after flush), galvanized Legs and Seat attachment, with brass working parts, Walnut Seat, Patent Wire and Brackets.

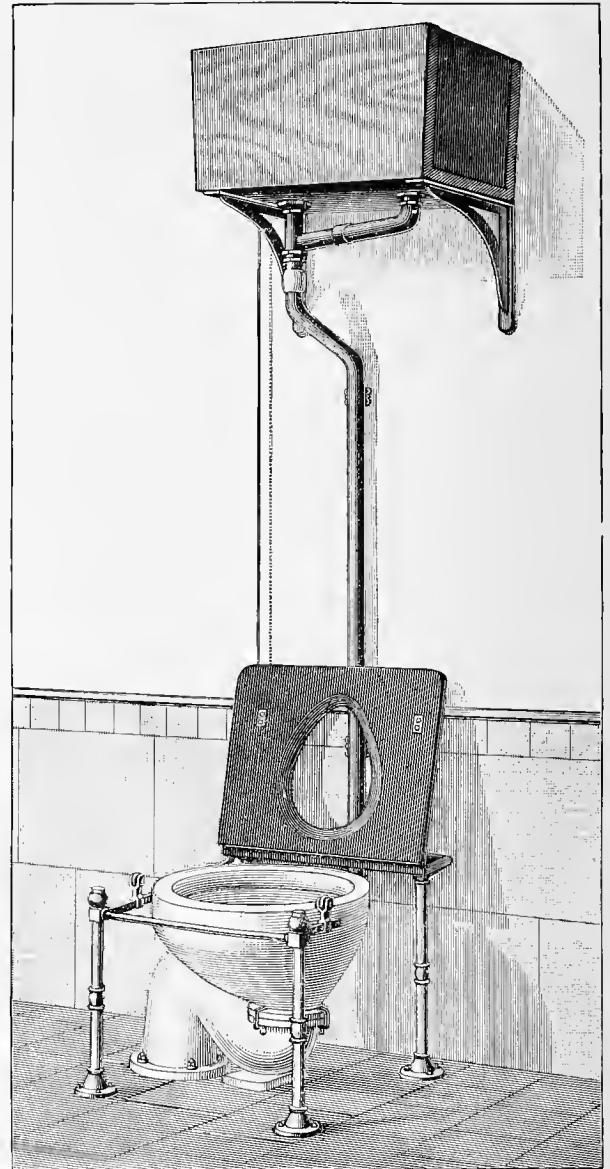


PLATE 80—C.

PLATE 80—C, consists of the "HELLYER" SHORT HOPPER AND TRAP, No. 5 "Em-Ess," cast lead-lined or copper Cistern (preliminary and after flush), galvanized Seat Attachment and Legs, with brass working parts, Walnut Seat, Patent Wire and Brackets.

Since the introduction by us of the "HELLYER" ARTISAN HOPPER APPARATUS, with preliminary and after flush, some twelve years ago, many imitations, *alleged* to be just as good, have been placed upon the market. The numerous cases where such imitations have proved unsatisfactory, by reason of the inferior character of the working parts, should not be used as a criticism on our make of Water-Closet Apparatus of this kind. We have never tried to cheapen the cost at the expense of strength or durability. The changes in the seat and attachment, shown by the above cuts, have been adopted only after severe tests and have much to commend them from a sanitary point of view. A patent wire of steel is used, which will not stretch. The whole apparatus is made with a view to durability and cleanliness.

The Standards in front support the Galvanized Seat Attachment, which is fitted with brass bushings and brass frictionless bearings, for the Seat to press upon when in use. In operation, a slight pressure pushes the attachment which is connected to the tank, lifts a valve which lets down half a gallon of water *at once*, thoroughly wetting the Closet. When the Seat is relieved, after half a minute, two gallons of water immediately flushes out its contents. This method of flushing insures a cleanly Water-Closet, and the improvement in the Seat and working parts adds much to its value.

THE "HELLYER ARTISAN" HOPPER,
AUTOMATIC (OPERATED BY THE SEAT).

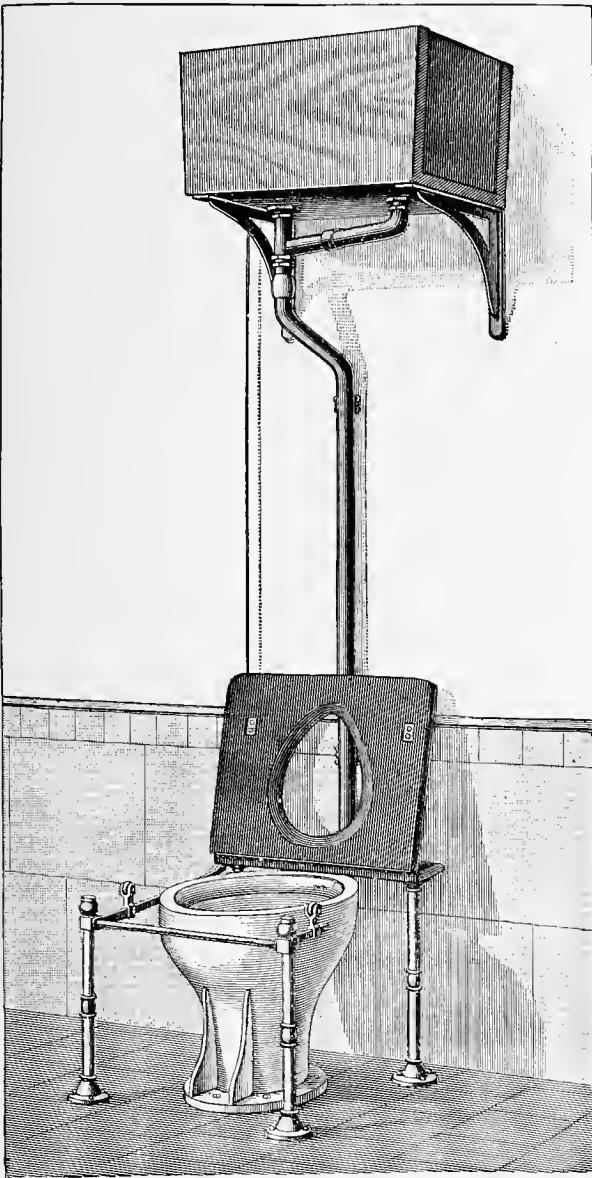


PLATE 81—C.

PLATE 81—C, consists of the "HELLYER ARTISAN" LONG HOPPER, No. 5 "Em-Ess" or copper-lined tank (preliminary and after flush), galvanized legs and seat attachment (brass working parts), walnut seat, patent wire and brackets.

Since the introduction by us of the "HELLYER ARTISAN" HOPPER APPARATUS, with preliminary and after flush, some twelve years ago, many imitations, *alleged* to be just as good, have been placed upon the market. The numerous cases where such imitations have proved unsatisfactory, by reason of the inferior character of the working parts, should not be used as a criticism on our make of Water-Closet Apparatus of this kind. We have never tried to cheapen the cost at the expense of strength or durability. The changes in the seat and attachment, shown by the above cuts, have been adopted only after severe tests and have much to commend them from a sanitary point of view. A patent wire of steel is used, which will not stretch. The whole apparatus is made with a view to durability and cleanliness.

The Standards in front support the Galvanized Seat Attachment, which is fitted with brass bushings and brass frictionless bearings, for the seat to press upon when in use. In operation, a slight pressure pushes the attachment, which is connected to the tank, lifts a valve which lets down half a gallon of water *at once*, thoroughly wetting the closet. When the seat is relieved, after half a minute, two gallons of water immediately flushes out the contents of the closet. This method of flushing insures a cleanly water-closet, and the improvements in the seat and working parts add much to its value.

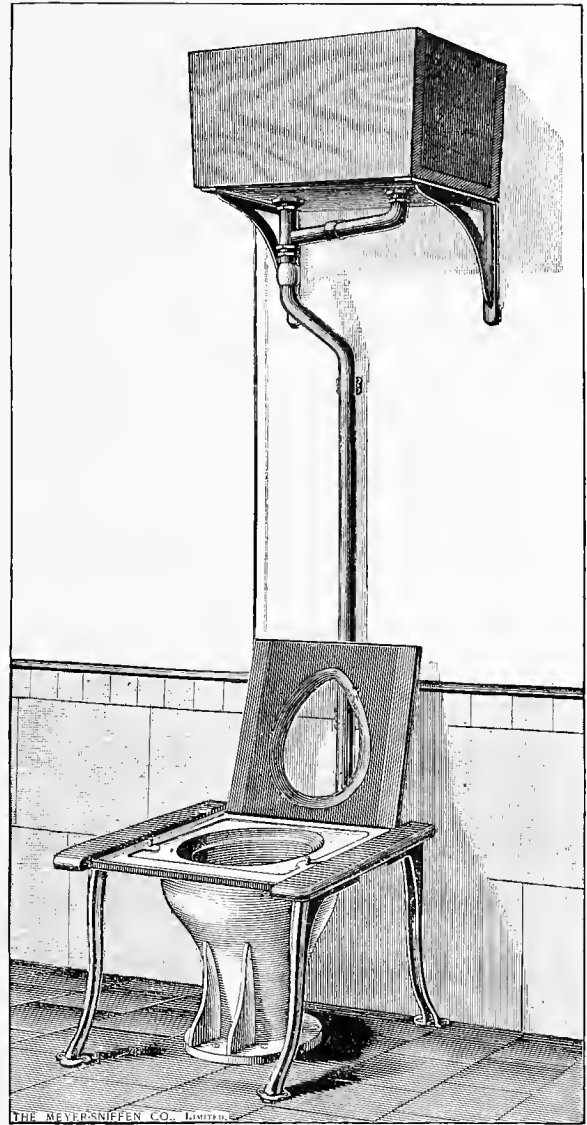


PLATE 82—C.

PLATE 82—C, consists of the "HELLYER ARTISAN" LONG HOPPER, No. 5 "Em-Ess" or copper-lined tank (preliminary and after flush), galvanized seat attachment and legs (brass working parts), walnut seat, old style, with frame and enameled drip tray, patent wire and brackets.

THE "HELLYER" HOPPER WATER-CLOSETS.

OPERATED BY SEAT.

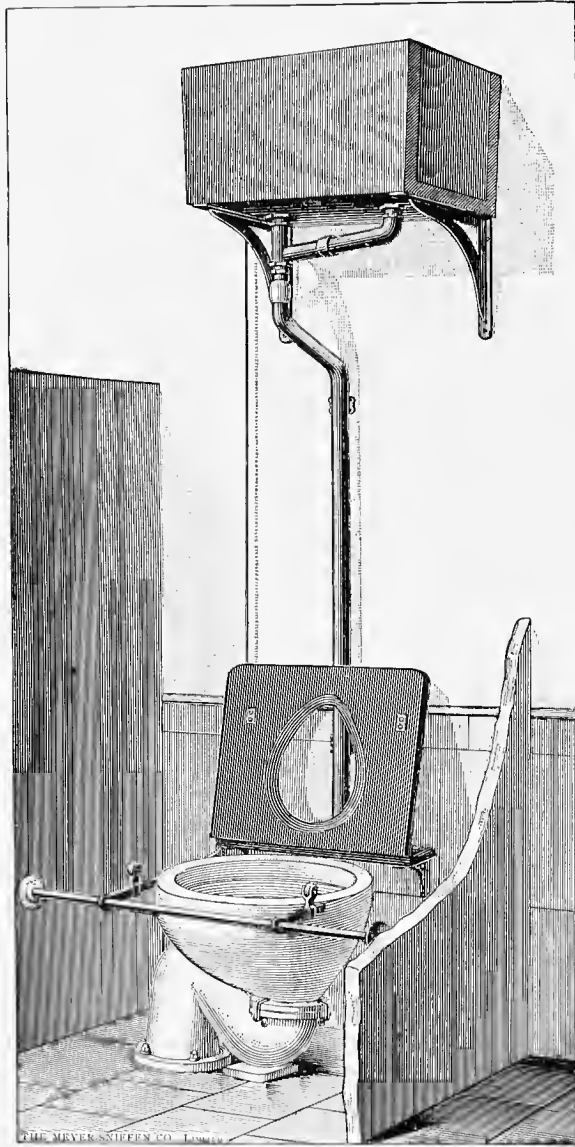


PLATE 83—C.

PLATE 83—C, consists of the "HELLYER" SHORT HOPPER AND TRAP, with No. 5 "Em-Ess" or copper-lined tank (preliminary and after flush), black walnut seat, special seat attachment and patent steel wire.

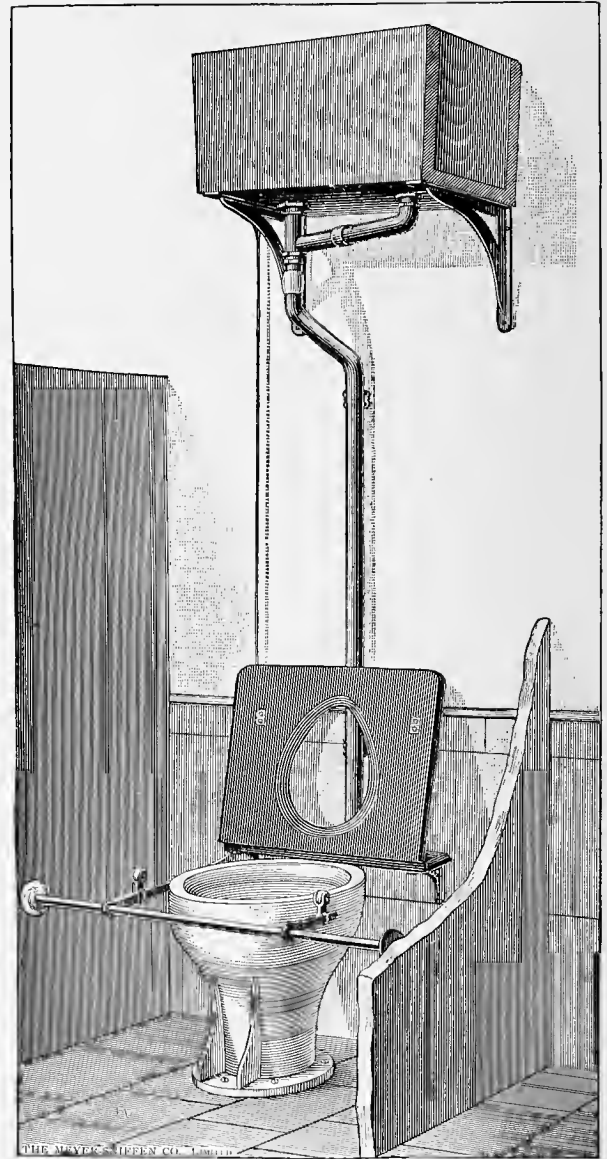


PLATE 84—C.

PLATE 84—C, consists of the "HELLYER" LONG HOPPER, with No. 5 "Em-Ess" or copper-lined tank (preliminary and after flush), black walnut seat, special seat attachment and patent steel wire.

The above apparatus is in all respects the same as Plates 80—C and 81—C, except the seat attachments or levers, which, in this case are arranged by means of a bar across from each partition, which carries the levers. When the partitions are not over 2 feet 6 inches apart, it makes a most desirable and substantial device, both simple, and, as years of experience has demonstrated, practical.

SEAT ACTION WATER-CLOSETS WITH CONTINUOUS TANKS.

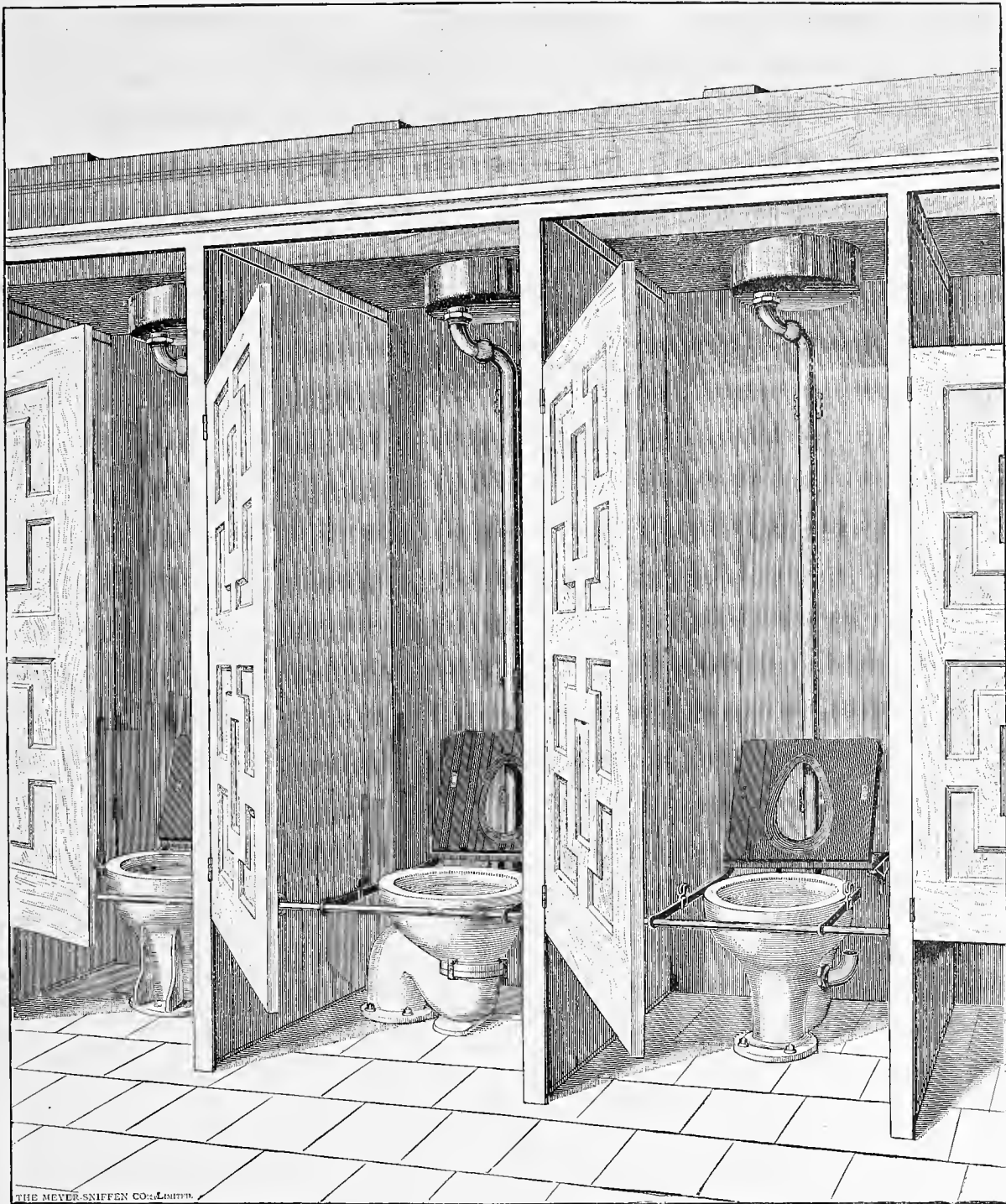


FIG. 1.

FIG. 2.

FIG. 3.

PLATE 85-C.

PLATE 85-C, illustrates an apparatus consisting of a row of Water-Closets, with special seat attachments and seats with a continuous tank, fitted with separate brass service boxes. It is specially suited to hotels and institutions where it is desirable to have a quantity of water stored, on account of the supply being at times inadequate to the demand. Figure 1 shows the "HELLYER ARTISAN" HOPPER. Figure 2 shows the "HELLYER" SHORT HOPPER. Figure 3 shows the IMPROVED "BRIGHTON." The seat attachments arranged in this manner are, no doubt, the strongest and best to insure durability under severe usage, provided the distance between partitions is not more than 2 feet 6 inches; other seat attachments of course can be substituted if desired, such as are illustrated in Plates 55-C, or 79-C.

THE "HELLYER" ARTISAN HOPPER

AND

THE HELLYER SHORT HOPPER AND TRAP.

PATENTED.

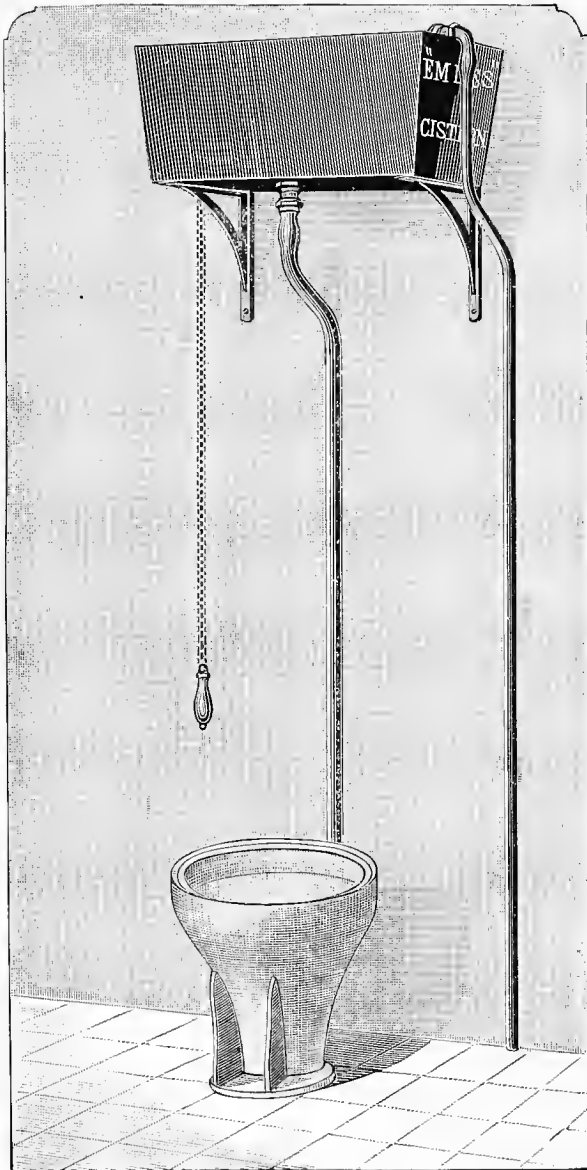


PLATE 86—C.

PLATE 86—C, consists of the "HELLYER" ARTISAN HOPPER AND COUPLING, No. 9 or No. 10 "Em-Ess," or copper-lined tank, japanned brackets, chain and pull.

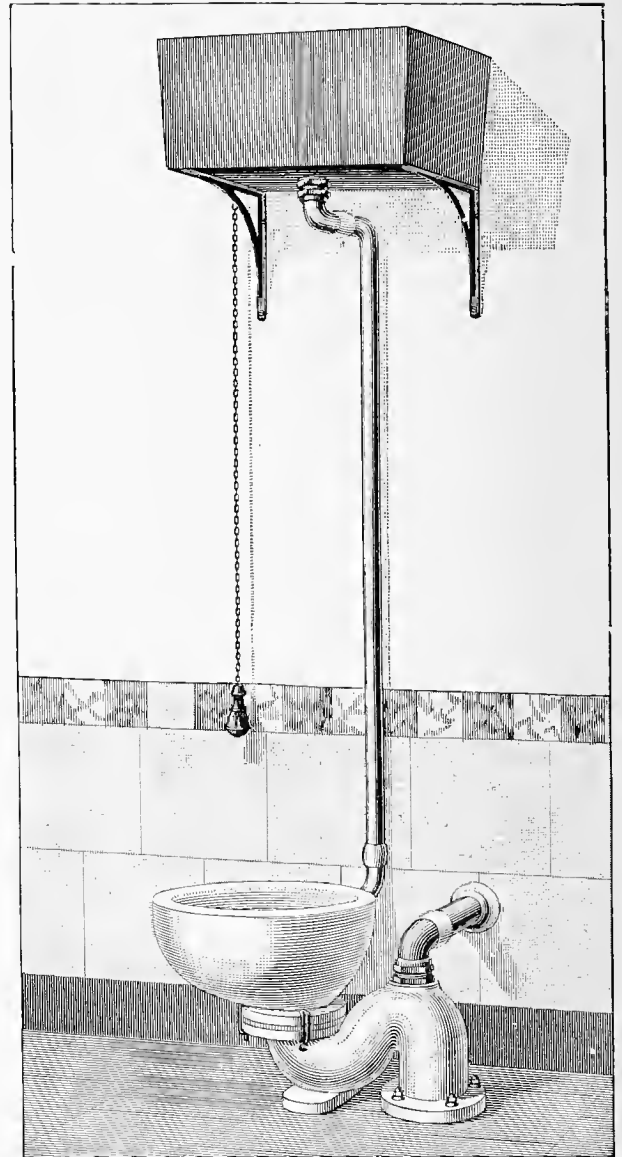


PLATE 87—C.

PLATE 87—C, consists of the "HELLYER" SHORT HOPPER AND EARTHEN TRAP, with brass clamps and coupling, No. 9 or No. 10 "Em-Ess," or copper-lined tank, japanned brackets, chain and pull.

The patent flush rim on the "HELLYER" ARTISAN and "HELLYER" SHORT HOPPER is so constructed as to deliver the greatest quantity of water without splashing and with as little noise as possible; in this point the "Hellyer" Hopper is not equaled by any other in the market.

SEATS FOR WATER-CLOSETS.

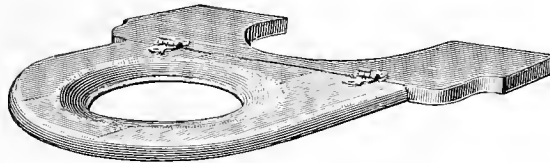


PLATE 88-C.
No. 6.

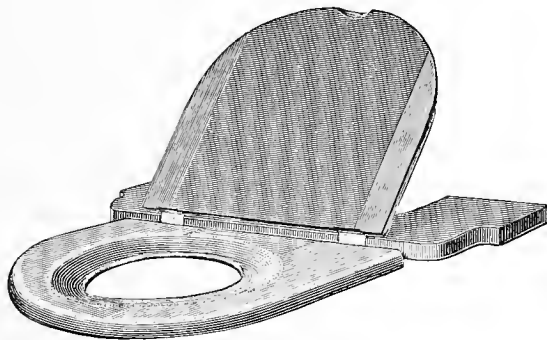


PLATE 89-C.
No. 7.

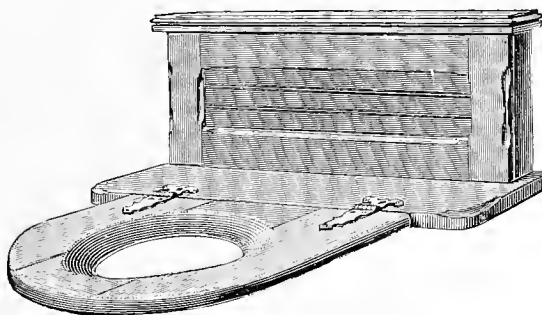


PLATE 90-C.
No. 8.

Furnished in cherry, quartered oak, walnut or ash, and fitted with rubber buffers and brass or nickel plated hinges.

The quality of the seats manufactured by us is unsurpassed by any other make. In finish and durability they certainly are beyond comparison.

ORNAMENTAL TANKS
WITH BRASS BRACKETS.

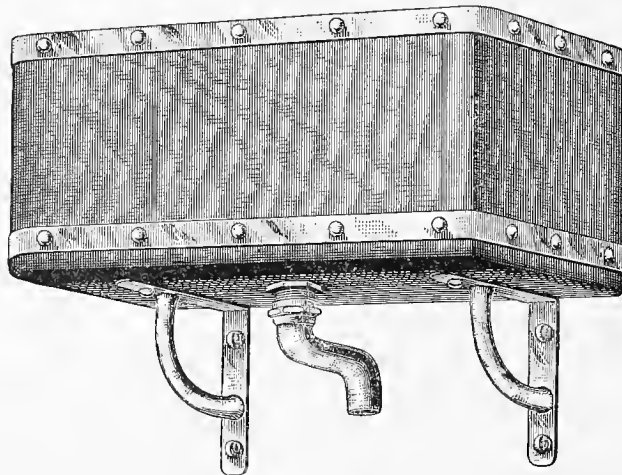


PLATE 91-C.

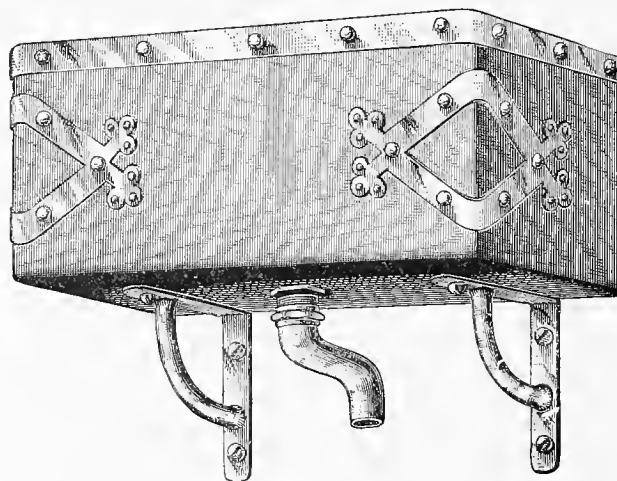


PLATE 92-C.

Fitted with Plain or Syphon Valve. Furnished in Cherry, Quartered Oak, Walnut, Ash, Bird's Eye Maple, etc. Polished brass, or nickel-plated ornamentation and brackets.

If with Plain Valve, designate as No. 10. If with Syphon Valve, as No. 9.

Size: 21 inches long, 10 inches wide and 11½ inches deep.

PANELED AND CABINET FINISHED TANKS.

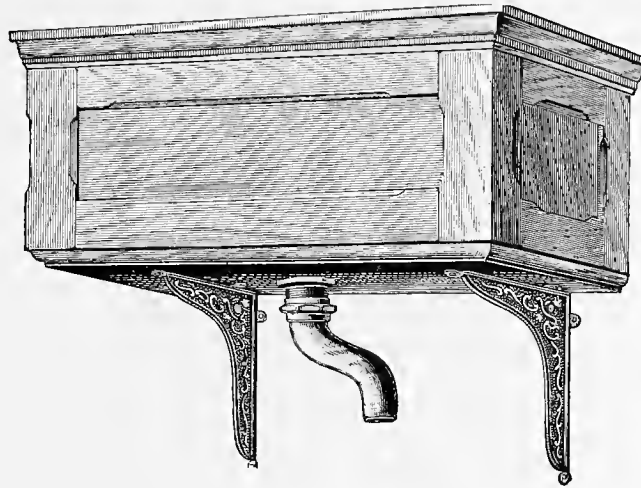


PLATE 93-C.

PANELED TANK.

No. 9 or No. 10.—Size: $22\frac{1}{2}$ inches long, 11 inches wide and 13 inches deep outside. No. 9 is with syphon valve, and No. 10 is with plain valve. Furnished in Cherry, Quartered Oak, Walnut or Ash.

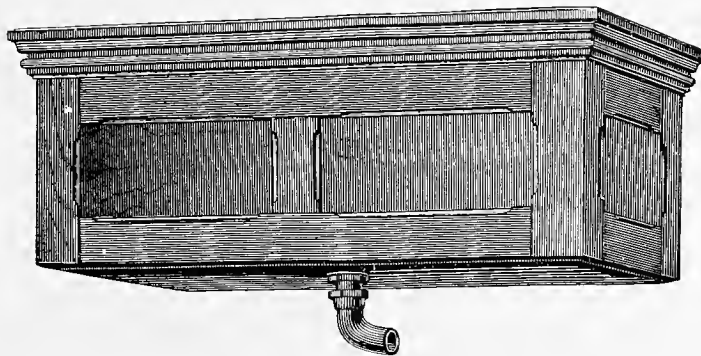


PLATE 94-C.

PANELED TANK.

No. 7.—Size: $26\frac{1}{2}$ inches long, $14\frac{1}{2}$ inches wide, and 10 inches deep outside. Furnished in Cherry, Quartered Oak, Walnut or Ash.

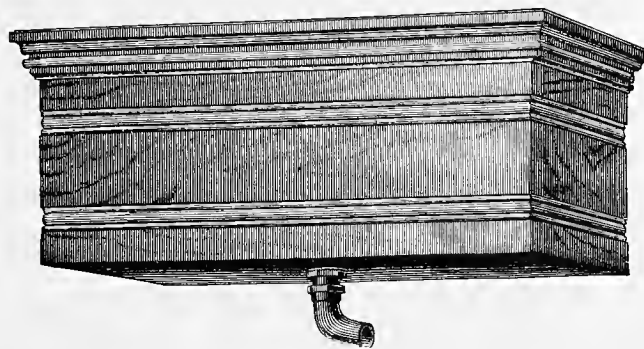


PLATE 95-C.

CABINET FINISH TANK.

No. 7.—Size: $26\frac{1}{2}$ inches long, $14\frac{1}{2}$ inches wide, and 10 inches deep outside. Furnished in Cherry, Quartered Oak, Walnut or Ash.

BRACKETS FOR WATER-CLOSET TANKS.

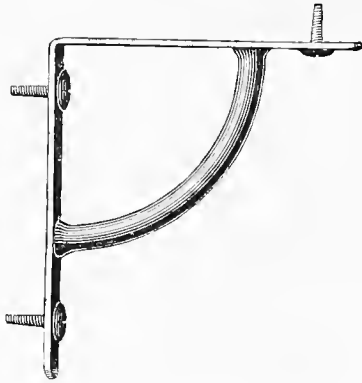


PLATE 96-C.
POLISHED BRASS OR NICKEL PLATED.
Size : $7\frac{1}{2} \times 7$ inches.

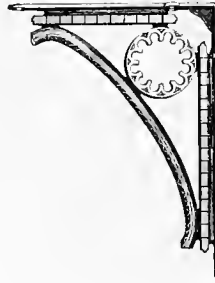


PLATE 98-C.
NICKEL OR BRASS PLATED.
Sizes : 12×10 inches, and $10 \times 7\frac{1}{2}$ inches.

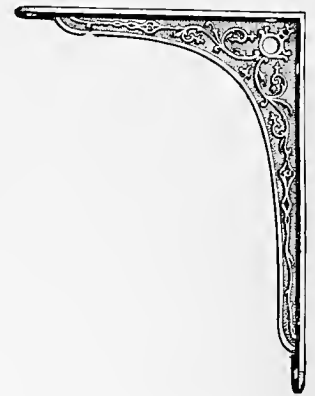


PLATE 100-C.
GERMAN BRONZED.
Sizes : 12×10 inches, and $10 \times 7\frac{1}{2}$ inches.

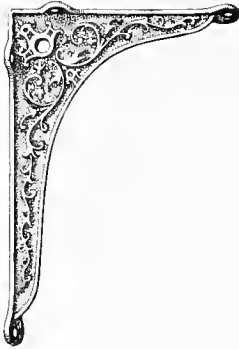


PLATE 97-C.
POLISHED BRASS OR NICKEL PLATED.
Size : $9 \times 6\frac{1}{2}$ inches.

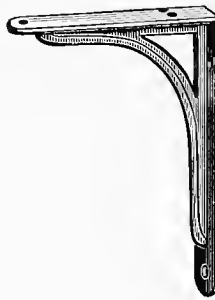


PLATE 99-C.
JAPANNED.
Sizes : 12×10 inches, and $10 \times 7\frac{1}{2}$ inches.

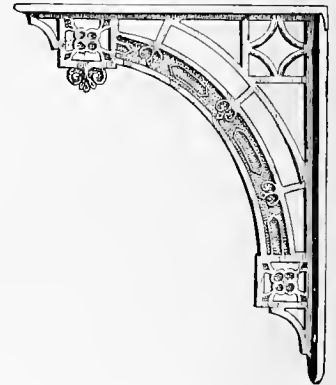


PLATE 101-C.
NICKEL OR BRASS PLATED.
Size : 12×10 inches.

BRASS LEGS FOR WATER-CLOSETS.

Cast.



No. 1.

Cast.



No. 2.

Cast.



No. 3.

Tube Adj. Flanges.



No. 4.

Spiral Tube Adj. Flanges.



No. 5.

Tube Adj. Flanges.



No. 6.

With Rubber Buffer



No. 7.

THE "EM-ESS" PATENT CAST LEAD-LINED CISTERN. SEAMLESS.

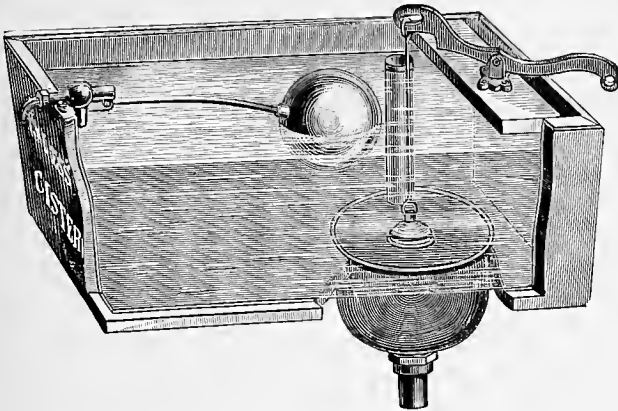


PLATE 102-C.

No. 4. Capacity $8\frac{1}{2}$ gallons. Size $25 \times 14 \times 10$ inches.

These are intended for the "HELLYER," or any of the leading styles of modern Water-Closets. The service box is made in one piece, of heavy brass.

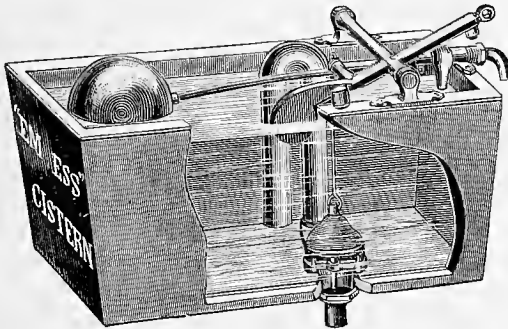


PLATE 103-C.

No. 9. Capacity 3 gallons. Size $19\frac{1}{2} \times 7\frac{1}{2} \times 11$ inches.

This is arranged to discharge a given amount of water by means of a syphon. The action of the syphon being started by the pulling up of a valve, a flush is sure to be obtained, since if for any reason the syphon should fail to act, a flush can be secured by holding the pull a few seconds, as with the ordinary cisterns. This cistern may be used with the Hopper and wash-out style of Water-Closets.

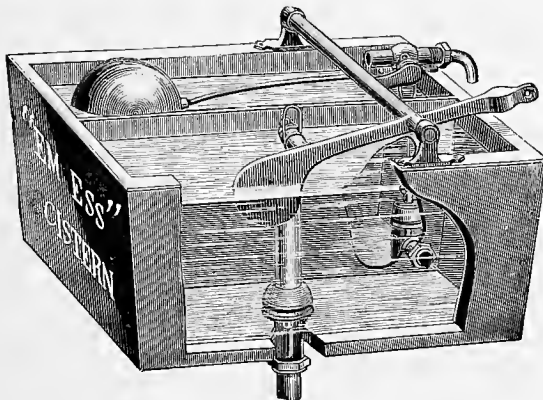


PLATE 104-C.

No. 1. Capacity 6 gallons. Size $19\frac{1}{2} \times 13 \times 11$ inches.

This is a waste-preventing cistern, constructed to secure the minimum tax under the New York Water Department Regulations, and especially designed for places where water meters are required, since an ample flush is secured and waste prevented.

The advantage of a SEAMLESS lined cistern over one with soldered seams must be obvious.

They are cast extra heavy, entirely in one piece, from Virgin Pig Lead, without any Seam, Joint or Solder. They are supported in strong wood cisterns, and are not liable to burst, as would iron cisterns, if exposed to frost.

They are cast stronger at the corners, tapered each way, and, it is believed, will last longer than any cistern made from sheet lead, burnt or soldered together.

The working parts have brass bearings.

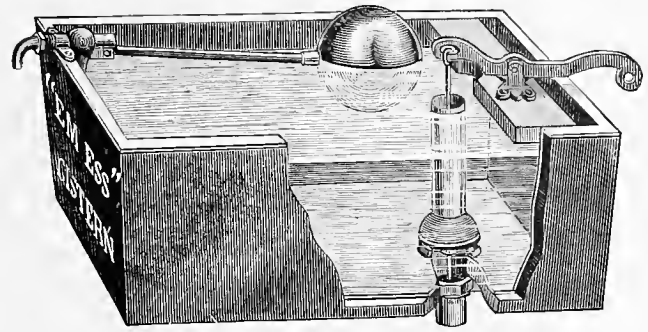


PLATE 105-C.

No. 7. Capacity $8\frac{1}{2}$ gallons. Size $25 \times 14 \times 10$ inches.

This is intended for the "BRIGHTON," or any Water-Closet not requiring a service box.

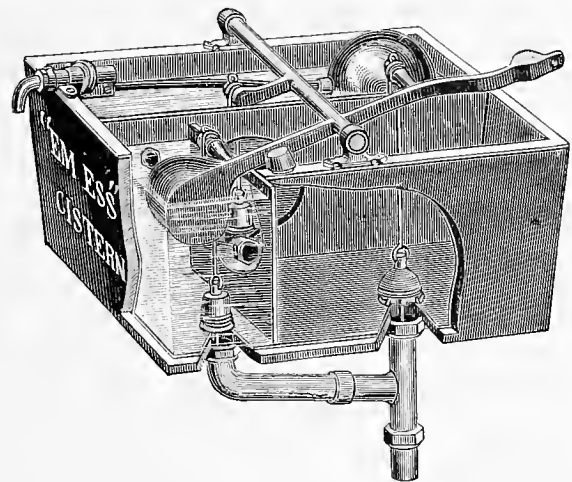


PLATE 106-C.

No. 5. Size $19\frac{1}{2} \times 13 \times 11$ inches.

This is constructed on the same principle as the cistern used in our No. 3A Apparatus. It secures a preliminary flush of half a gallon, which thoroughly wets the entire inner surface of a hopper, together with the two-gallon after-flush when seat is relieved of weight.

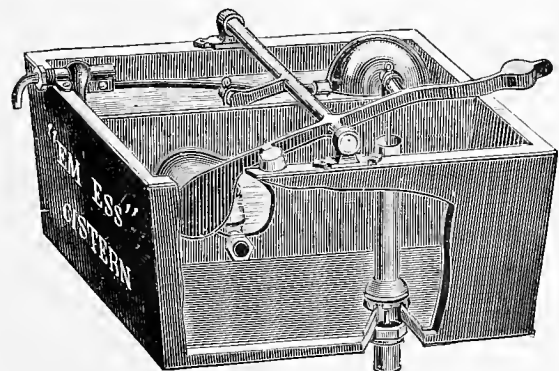


PLATE 107-C.

No. 2. Capacity 6 gallons. Size $19\frac{1}{2} \times 13 \times 11$ inches.

This is intended to take the place of our No. 2 Iron Cistern, which is used for flushing hoppers after weight is removed from seat, but has no preliminary flush.

DRINKING FOUNTAIN

FOR

STORES, OFFICES, HOTELS, SCHOOLS, ETC.

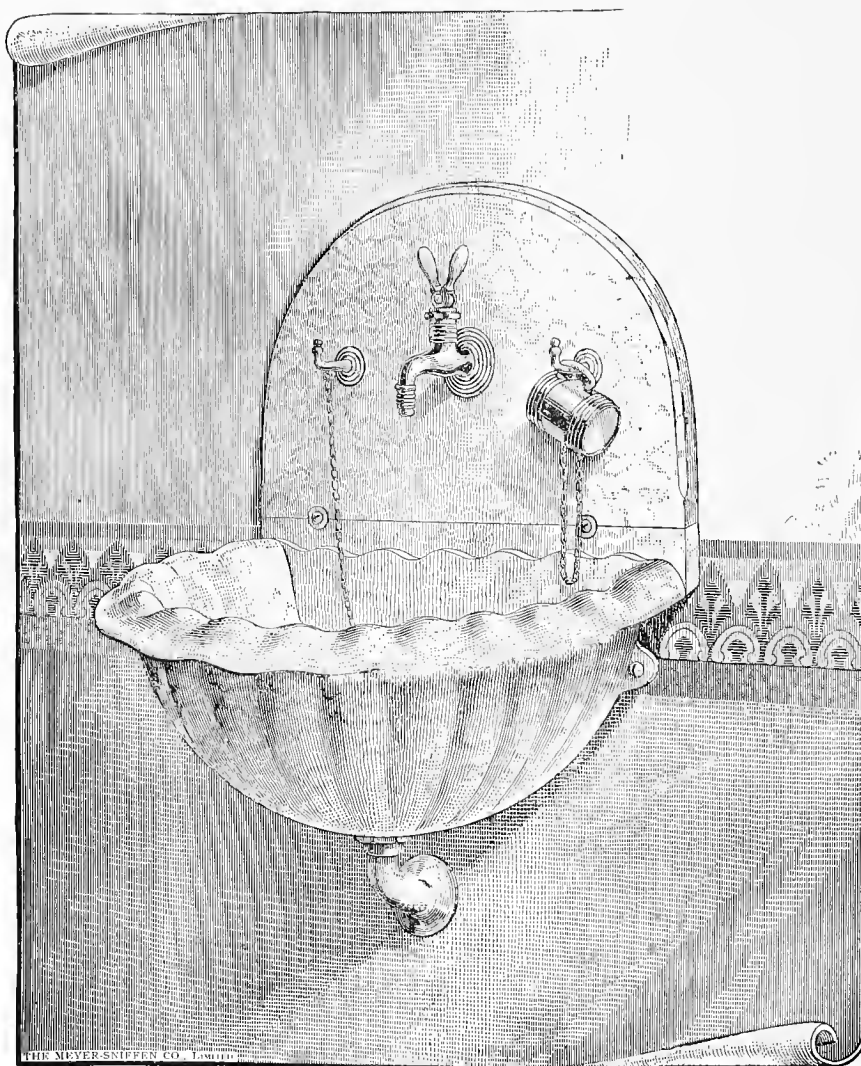


PLATE 108-C.

The Basin is of the finest Imported Marbleized Earthenware, formed to represent carved marble, and when fitted up as shown, with Marble Back, "DOHERTY" Self-Closing Cock, Drinking Cups, etc., makes a complete and desirable fixture for the purpose intended. The Basin, if desired, can be furnished in plain white or ivory tint.

DIMENSIONS.

Width of Basin, 18½ inches ; height of marble back, 12 inches ; distance from centre of the waste outlet of basin through the wall to the supply inlet, 16 inches. The marble back may be had in any desired shape.

THE "PARSONS" TROUGH WATER-CLOSET.

PATENTED.

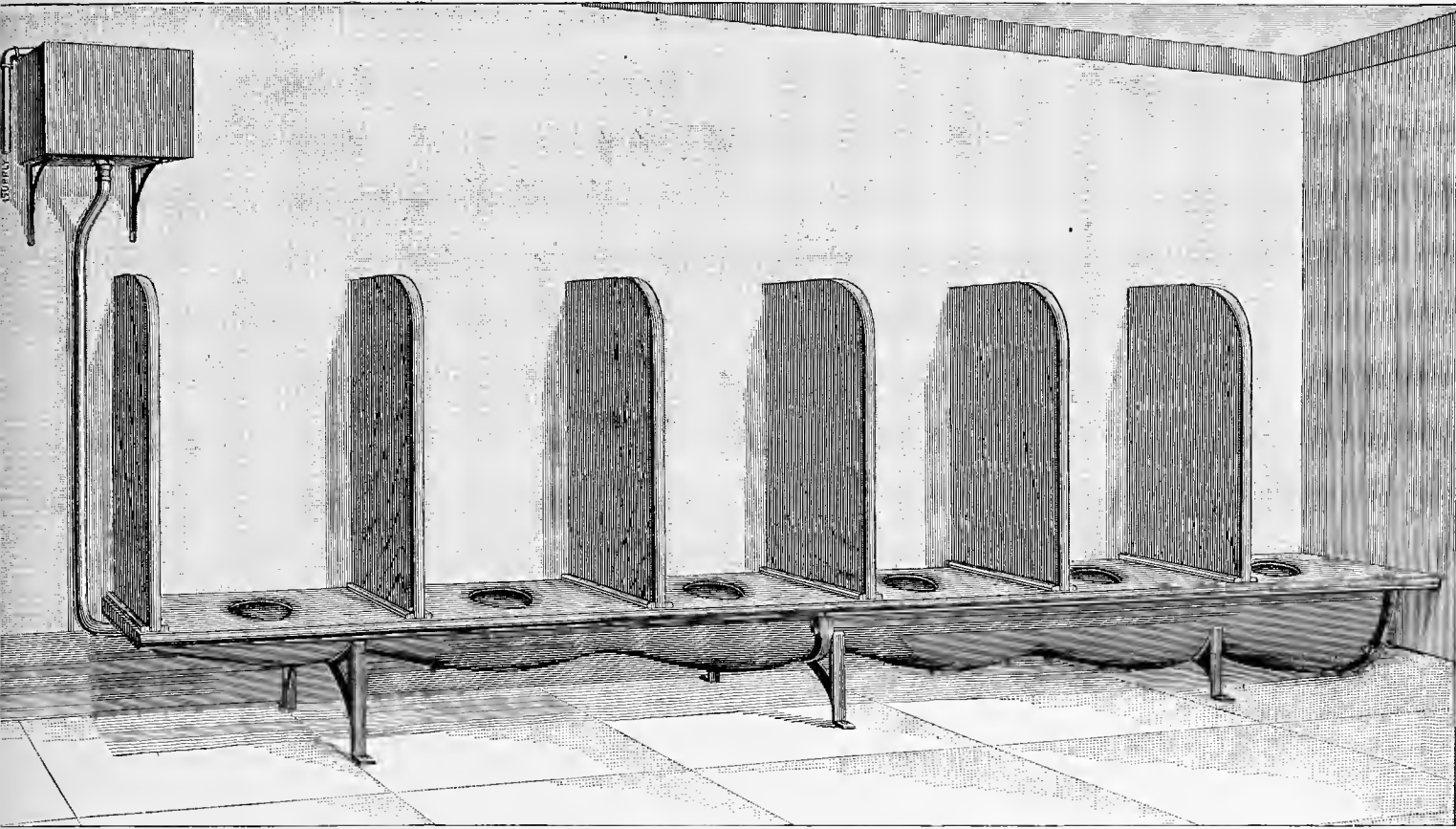


PLATE 109-C.

The "PARSONS" TROUGH WATER-CLOSET comprises a system of two, three, four, five or six Wash-out Water-Closets *combined in one apparatus*, operated by one tank, and with a single outlet.

It is automatic in operation and is arranged to discharge its contents at intervals.

The arrangement of seats and partitions can be altered to suit circumstances or the character of the work.

Hitherto Water-Closets for Schools, Factories, Barracks, Institutions and similar public places have been confined to School-Sinks, Latrines, or Vaults, which retain their filth for stated periods until their contents are discharged by an attendant. The introduction of the "PARSONS" system by us, however, some years ago, and its unqualified success, leads us to believe that its general adoption in the above mentioned places, where water-closets are exposed to very rough usage, is only a question of time. The result secured in the "PARSONS" TROUGH WATER-CLOSET, is the advantage of having a body of water such as is found in a Wash-out Closet that may be *automatically* removed with *all its contents* at predetermined intervals.

The arrangement of each basin in the trough at a slightly lower level, with its weir or dam toward the outlet, is at once novel and ingenious, giving an equal flush to each basin with a minimum quantity of water (which is a great desideratum in many localities), in fact, a six person "PARSONS" TROUGH may be flushed out completely with scarcely more water than a single Wash-out Closet requires.

The flush tank may be easily regulated to empty its contents with certainty at any given period; the quantity of water, also, may be controlled as desired.

THE "PARSONS" TROUGH WATER-CLOSET.

PATENTED.

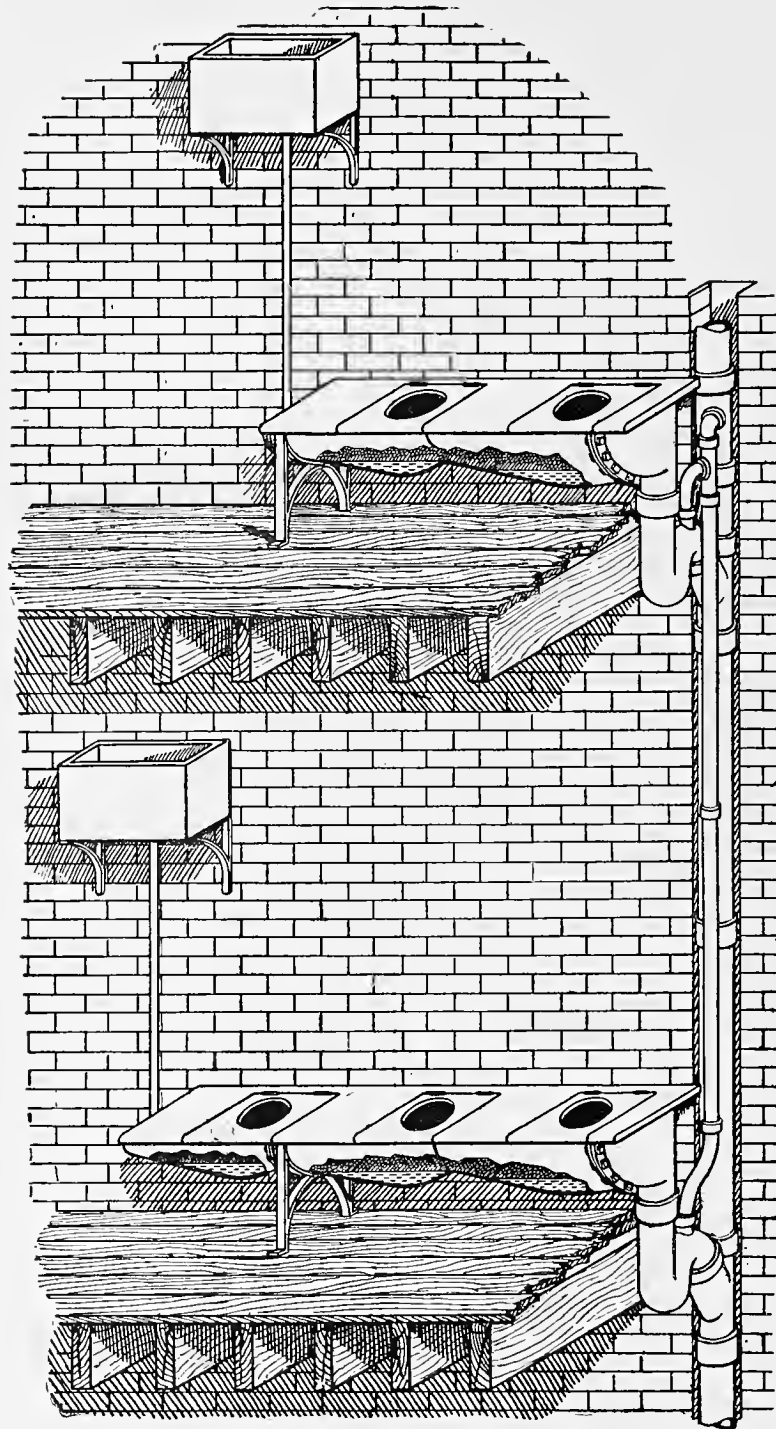


PLATE 110-C.

View showing an adaptation of the "PARSONS" TROUGH SYSTEM in two or three-person closets, for Mills, Factories, Stores, Tenements, etc., where it is desired to have them located on different floors. If preferred, the Trough can be turned around, placing the outlet in the opposite direction. The Supply to the tank may be so arranged that the water can be turned on or off the whole system by a valve located on the lower floor. In this illustration the front of the "Trough" is cut away, showing the water level in each basin. Care should be taken that the seat openings are placed directly over the centres of the basins.

THE "PARSONS" TROUGH WATER-CLOSET.

PATENTED.

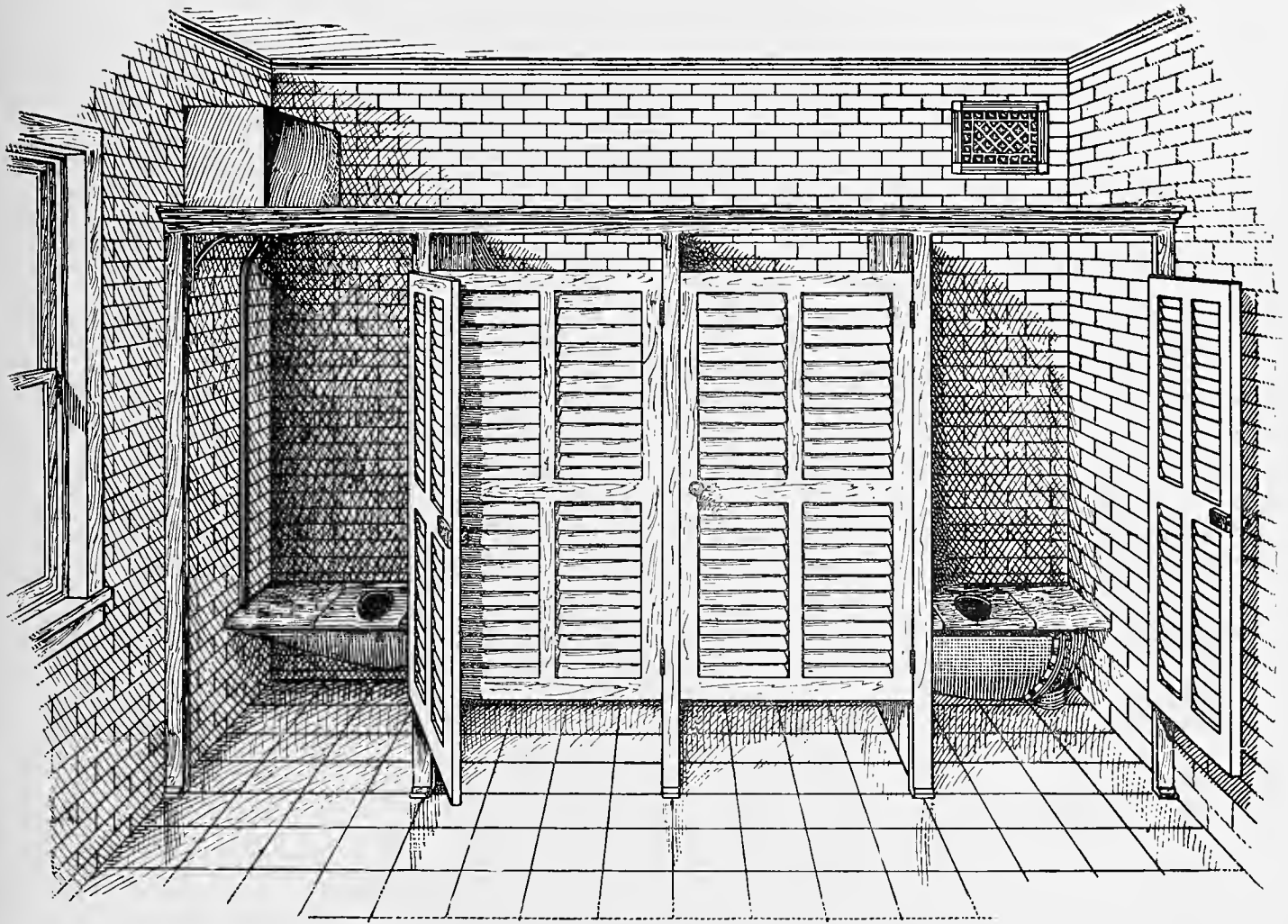


PLATE 111-C.

Illustration shows a four-section apparatus of the "PARSONS" Water-Closet System, fitted up with partitions, etc. A suggestion for the better class of work for which these water-closets are adapted.

THE "PARSONS" TROUGH WATER-CLOSET.

PATENTED.

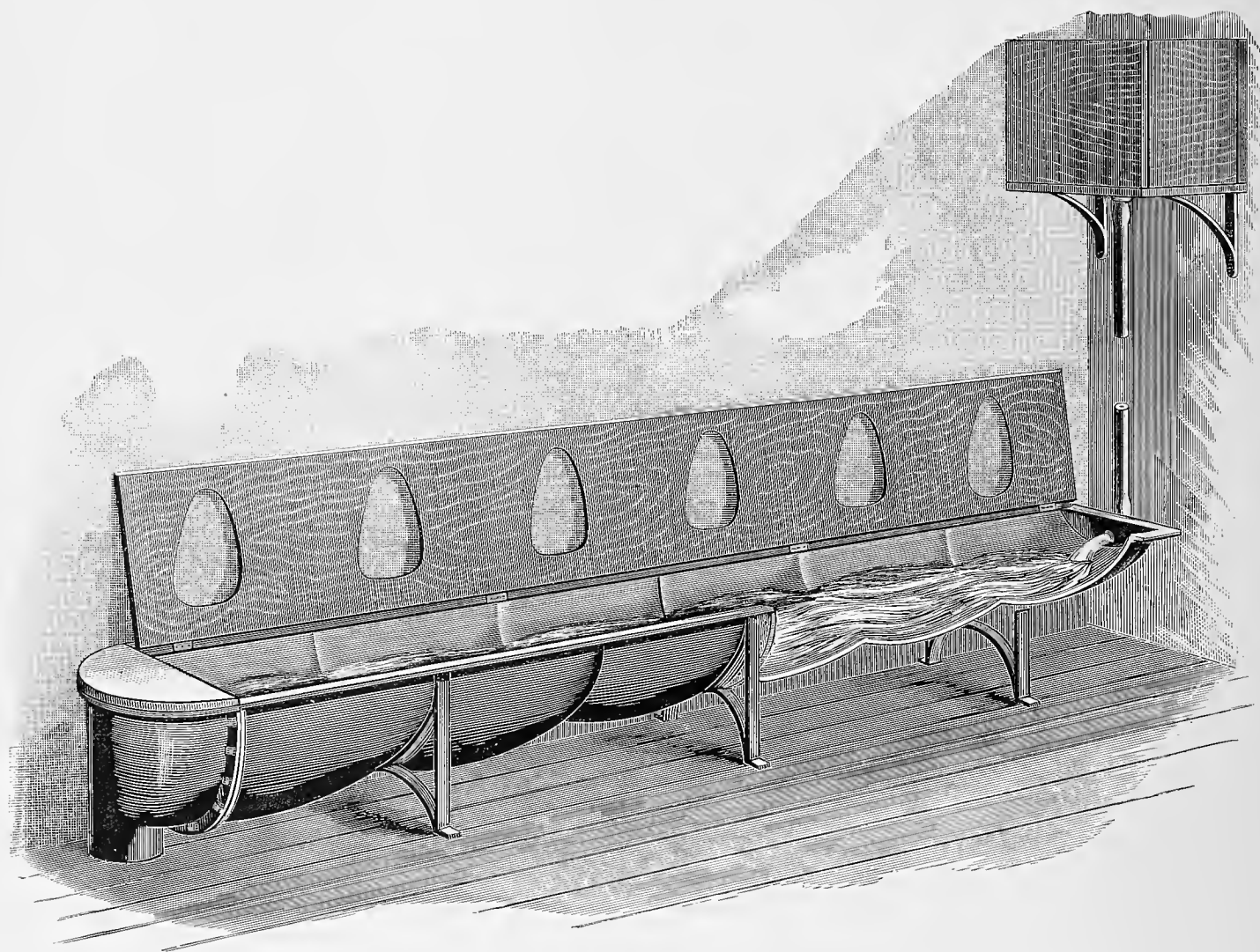


PLATE 112-C.

View of a six-section apparatus of the "PARSONS" Water-Closet System, showing the water in motion. The Trough is made to be used either right or left.

THE "EM-ESS" SELF-FLUSHING URINAL APPARATUS.

PATENTED.

THIS Urinal is not flushed by a periodic or automatic (so called) flush-tank, emptying at intervals, but it flushes *when in actual use only*, nor is any valve or mechanism employed to produce the flush. The mere act of voiding urine into the urinal effects the discharge of the flush-tank almost simultaneous with its use, thereby at once flushing out the contents into the waste-pipe behind the trap. The tank then refills, and the next user starts the flush in the same way. The principle of operation is as simple as it is novel and ingenious.

To those who know how difficult it is to keep a urinal waste and trap clear of deposit, this self-flushing apparatus will highly commend itself. In a sanitary point of view too much cannot be said in its favor; the fact that it always flushes when used (or when a little water is thrown into the urinal) makes it most effective. At each use of the urinal the urine is diluted with about twenty times its volume of fresh water, which practically prevents any corrosive action on the waste-pipe or trap. The amount of water used each time is also sufficient to thoroughly flush out the contents of the trap, leaving clean water in it after each use, and prevents disagreeable odor. As a means for the prevention of waste of water it certainly possesses decided advantages, as owners of large buildings paying meter rates can demonstrate, because no water is used, and consequently none wasted, when the apparatus is not in actual use.

We now have a large number in successful operation, and we offer it with faith in its practicability and effectiveness.

THE "EM-ESS" SELF-FLUSHING URINAL APPARATUS.

PATENTED.

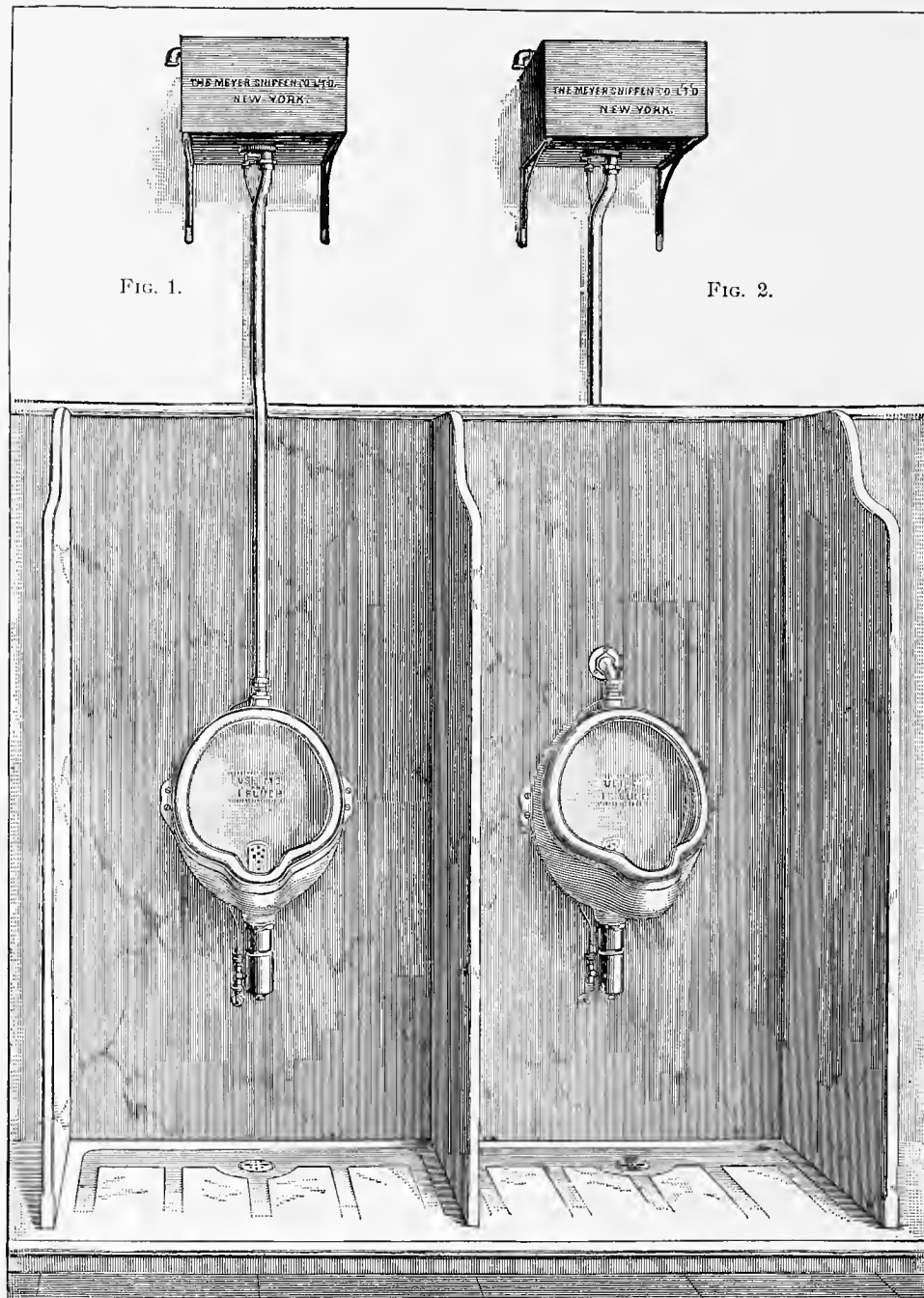


PLATE 113-C.

The illustration shows a section of a row of the "EM-ESS" SELF-FLUSHING URINAL APPARATUS, set up in marble stalls, complete. Fig. 1 and Fig. 2 are identical, except that the flush-pipe is on the front in Fig. 1, and behind the slab in Fig. 2.

THE "EM-ESS" SELF FLUSHING URINAL APPARATUS.

PATENTED.

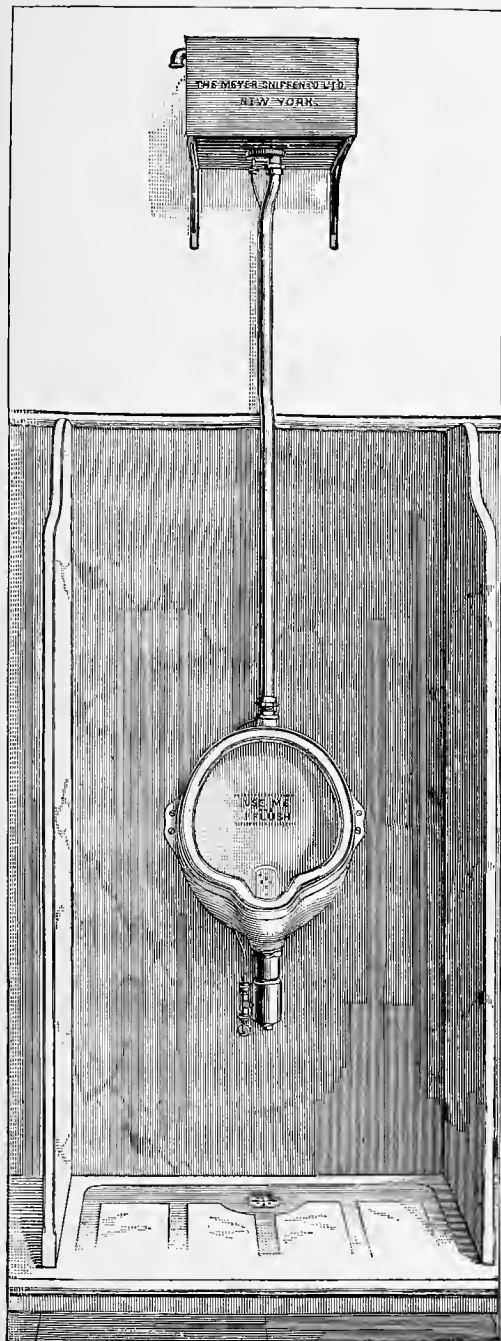
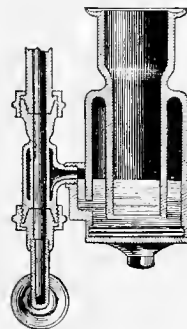
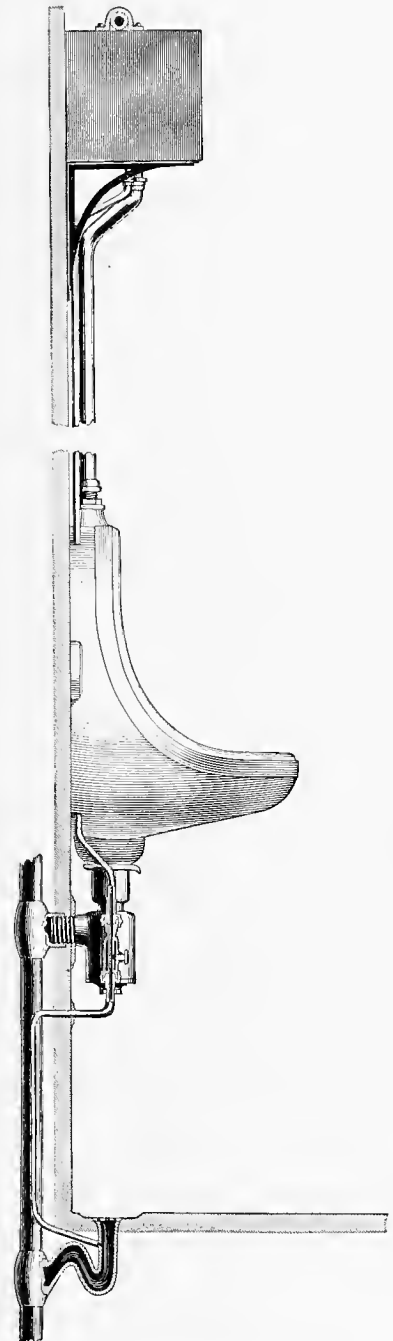


PLATE 114-C.

Sectional view of the Trap,
showing the connection
of the tube.

SECTION OF APPARATUS.

The urinal has a brass trap fitted as closely as possible to it, the waste pipe passing through the wall. A small tube is attached to the trap, and is connected at the upper end to the tank and at the lower end to the waste pipe at a point below the floor; or, as shown in the cut, to empty into the drip-trap. The urinal has an opening leading into the tube at a point a little below its outlet. It will be seen by the sectional cut that a portion of the water standing in the trap will pass into the tube on the filling of the trap when the urinal is used.

The suction caused by the flow of the water down this tube creates a vacuum sufficient to start in action a small syphon in the tank, which being connected to a larger syphon (the flush-pipe), also causes it to flow, and thereby flushes the urinal. A clean-out screw is provided at the junction of the tube with the trap. In case of any accidental stoppage the obstruction can be easily removed without disturbing the apparatus. The bottom of the trap is also provided with a clean-out screw.

THE "OXFORD" URINAL.

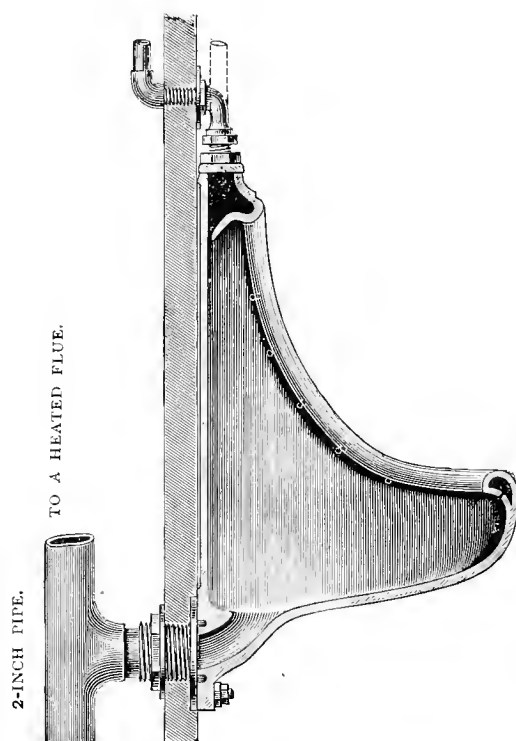


PLATE 115-C.

The "OXFORD" URINAL, a section of which is shown above, is designed especially for use, in connection with a system for ventilation. When the water-pipe is properly connected, as shown, to a heated flue, a strong draft can be made to pass through the urinal, carrying away all local odor. Special attention is called to the method of connecting the urinal to the waste-pipe, also to the supply connection, both of which are adapted to insure a first-class finish and perfect joints. The urinal is furnished ground on the back to fit "true" against the wall.

THE "PARSONS" PERIODICAL FLUSHING TANKS

FOR URINALS.

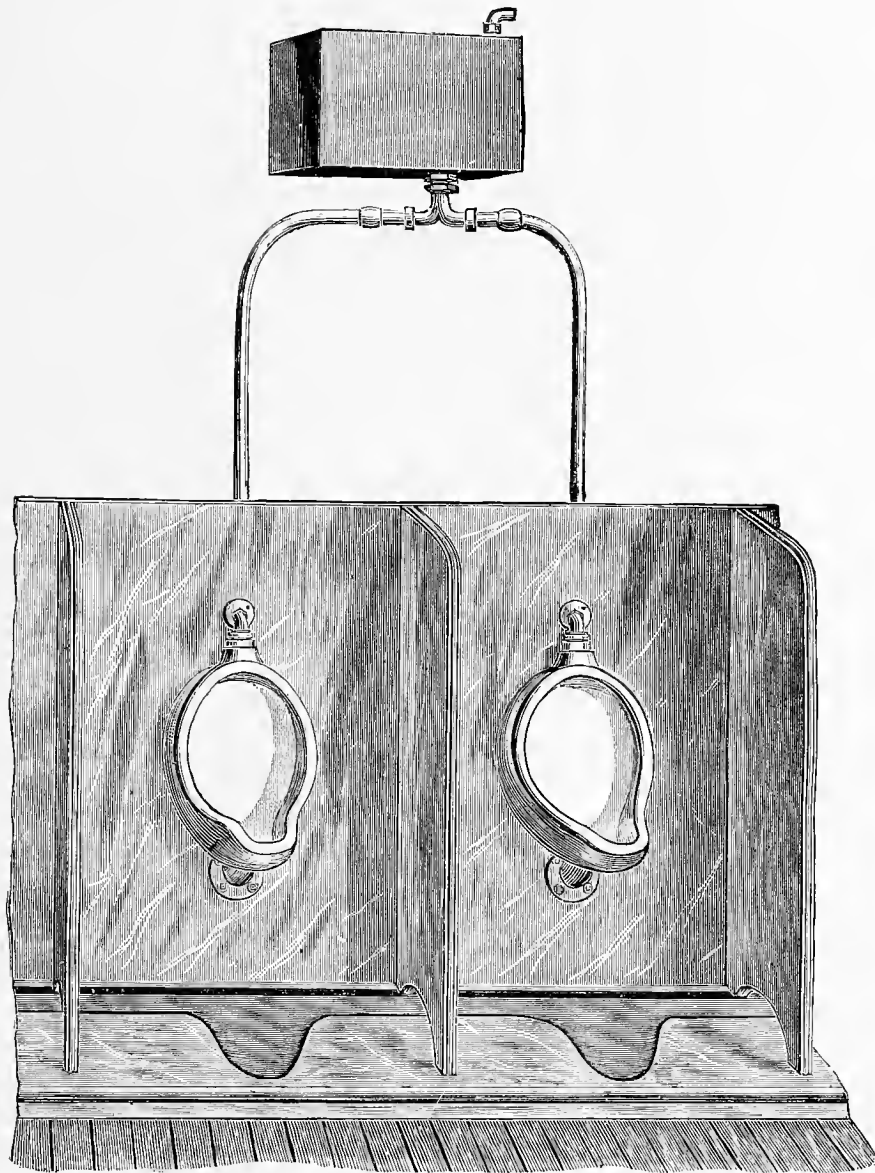


PLATE 116-C.

This illustration shows a section of a row of "OXFORD" URINALS supplied with a No. 3 "Parsons" Periodical Flushing Tank. The "PARSONS" Tank may be easily arranged to flush at any desired period of time.

Three sizes kept in stock ; made to order of any size: No. 1 for Six Urinals ; No. 2 for Four Urinals ; No. 3 for Two Urinals.

THE "MODEL" SLOP SINK APPARATUS.



PLATE 117-C.

PLATE 117-C, consists of the "MODEL" SLOP SINK, and improved pedestal trap with patent brass floor connection, brass supply pipes to the flush rim and nozzle, with "Fuller" cocks.

Height from floor to top of sink, 2 feet 1 inch.



PLATE 118-C.

PLATE 118-C, consists of the "MODEL" SLOP SINK, with brass supply pipes to the flush rim and nozzle, with "Fuller" cocks.

Height from floor to top of sink, 1 foot 4 inches.

The "MODEL" is an imported Slop Hopper or Sink with a flush rim similar to a water-closet, and is indisputably the most cleanly apparatus in the market for the purpose intended.

Two sizes are furnished—viz., $21\frac{1}{2} \times 21\frac{1}{2}$ inches square, and 18×18 inches square.

THE "MODEL" SLOP SINK APPARATUS.

PATENTED.

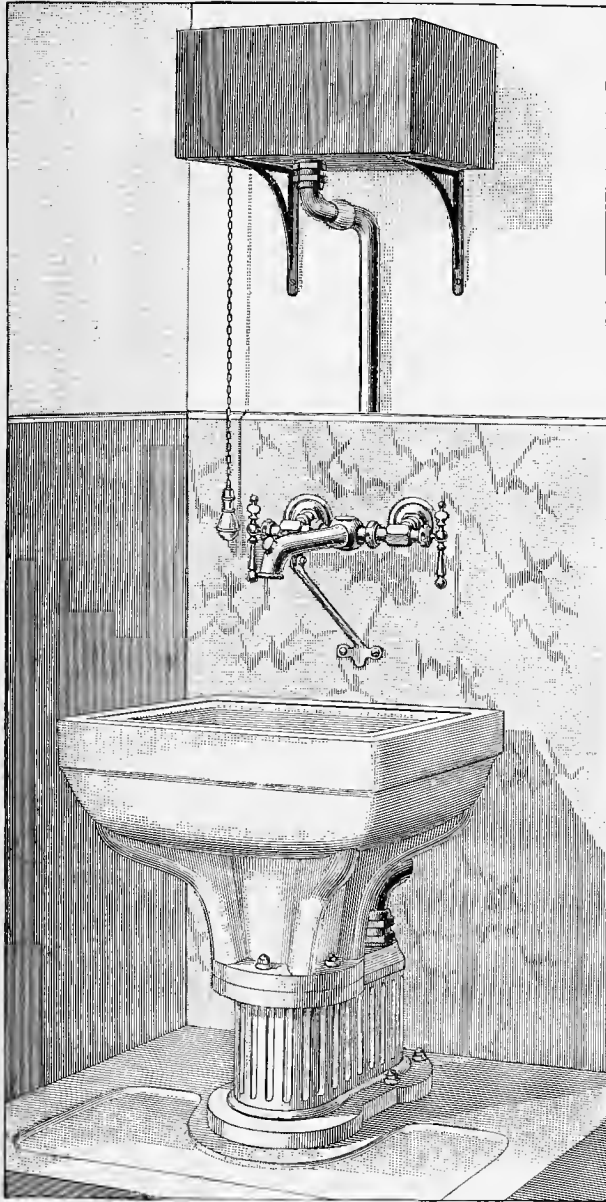


PLATE 119-C.

PLATE 119—C, consists of the "MODEL" SLOP SINK, with improved pedestal trap, brass floor connection, No. 7 "Em-Ess" or copper-lined tank, pull and chain, and large "FULLER-MEYER" Cock, with nozzle and brace.

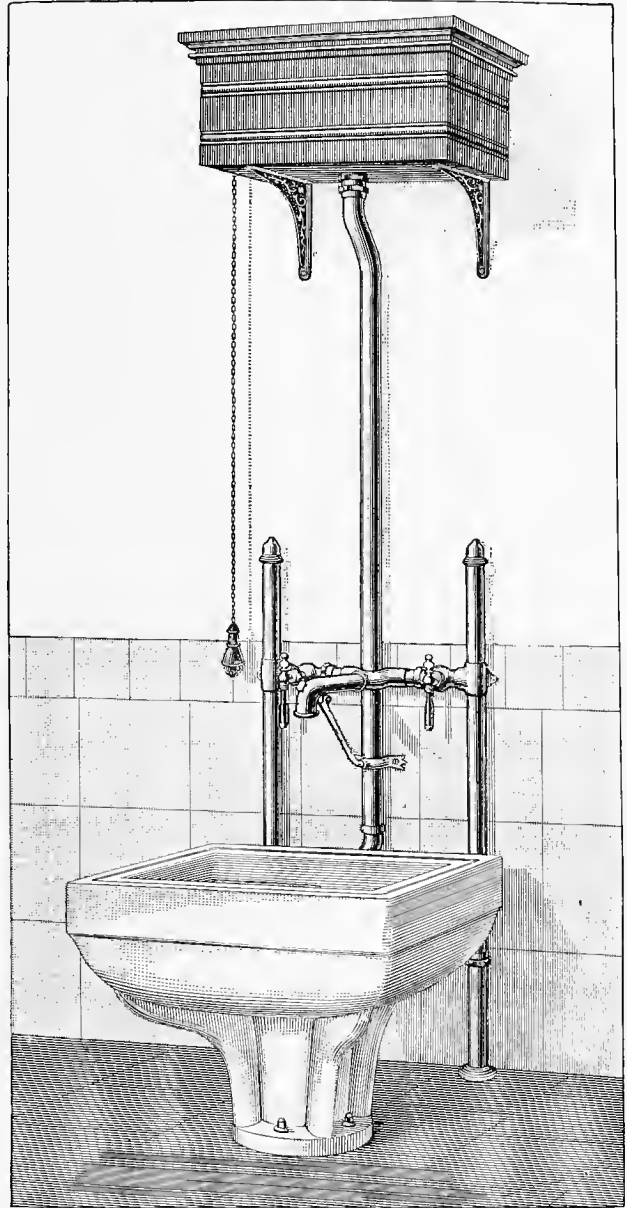


PLATE 120-C.

PLATE 120—C, consists of the "MODEL" SLOP SINK, with No. 7 cabinet-finished tank, bronzed brackets, chain and pull, brass flush pipe, brass supply pipes, with special "FULLER" Cock, nozzle and brace.

The "Model" is an imported Slop Hopper or Sink with a flush rim similar to a Water-Closet, and is, without doubt, the most cleanly receptacle for the purpose intended, in the market.

Two sizes are kept in stock, $20\frac{1}{2} \times 20\frac{1}{2}$ inches and 18×18 inches.

THE "ROYAL" PORCELAIN SLOP SINK.

WITH BRASS FLUSH RIM.

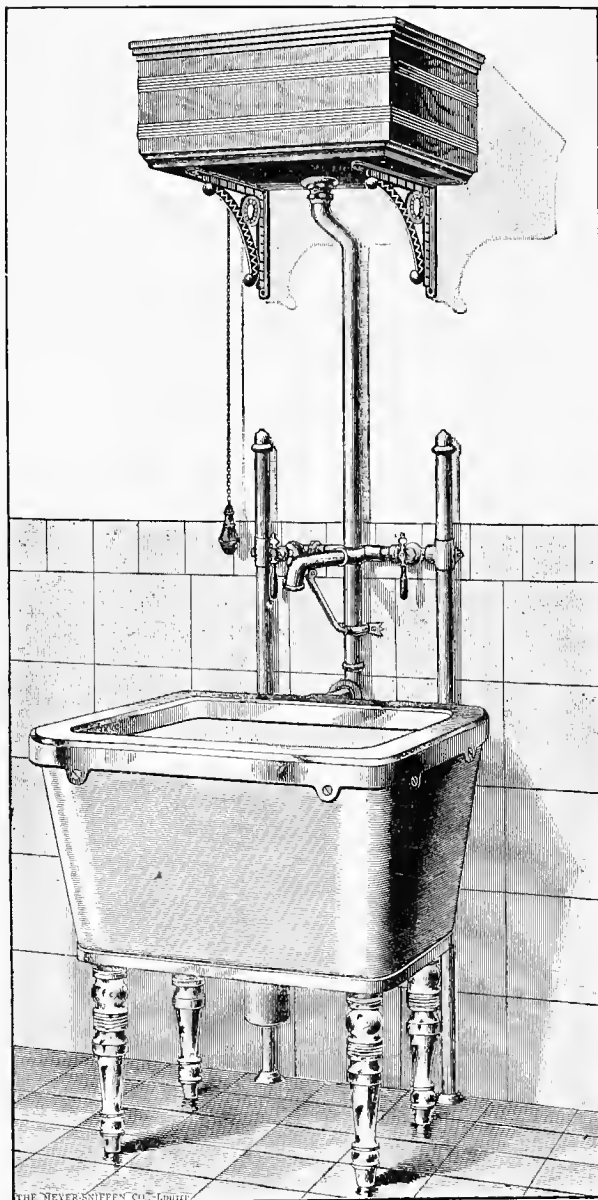


PLATE 121—C.

PLATE 121—C, consists of THE "ROYAL" PORCELAIN SLOP SINK, with brass flush rim. No. 10 cherry cabinet-finished tank and nickel or brass plated brackets, brass flush pipe, brass supply pipes to double Fuller cock with special nozzle and brace, and galvanized iron frame and legs.

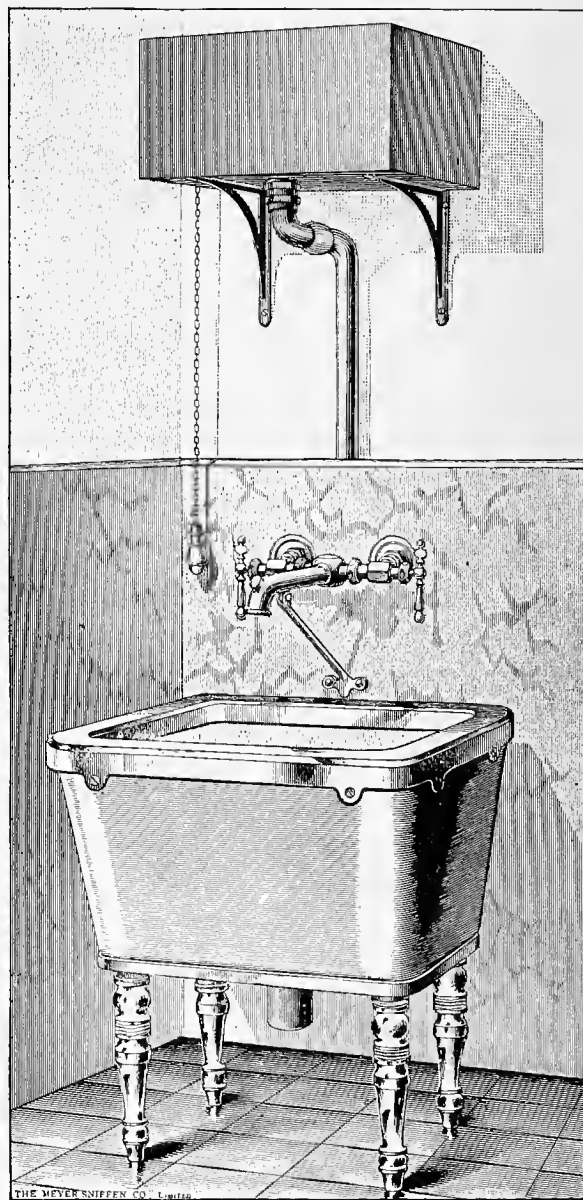


PLATE 122—C.

PLATE 122—C, consists of THE "ROYAL" PORCELAIN SLOP SINK, with brass flush rim. No. 10 tank, japanned brackets, Fuller-Meyer double cock with large nozzle and brace, galvanized iron frame and legs. (The supply and flush pipes in this apparatus are behind the wall.)

THE "ROYAL" PORCELAIN SLOP SINK apparatus, with brass flush rim and tank supply, is indisputably the strongest and most durable of anything of its kind in the market.

THE "ROYAL" PORCELAIN SLOP SINK.

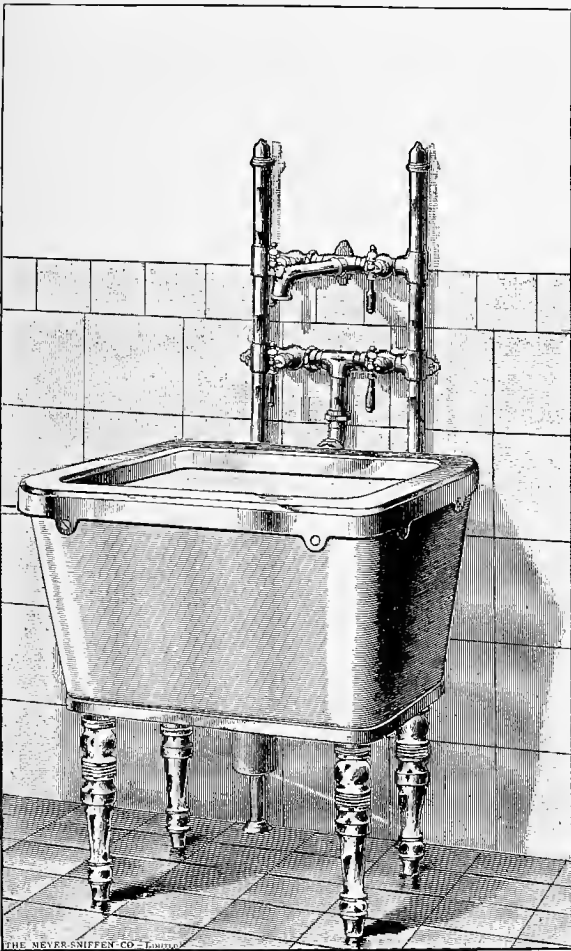


PLATE 123-C.

PLATE 123-C, consists of the "ROYAL" PORCELAIN SLOP SINK, with brass flush rim, on galvanized legs and frame. Brass supply pipes, with hot and cold "Fuller" cocks to flush rim and to large nozzle, 3-inch brass strainer and coupling.

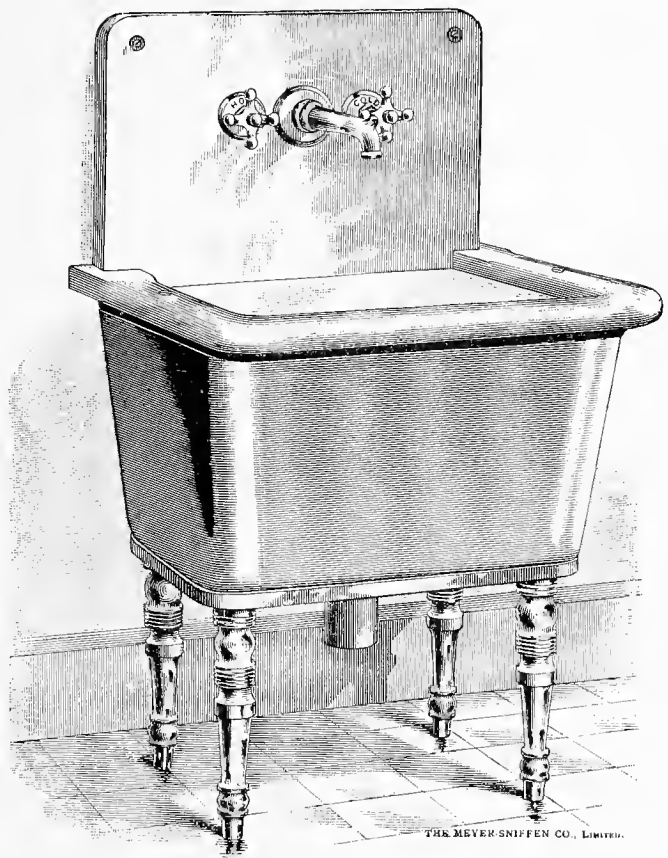


PLATE 124-C.

PLATE 124-C, consists of the "ROYAL" PORCELAIN SLOP SINK, fitted with hard wood rim with marble back, and hot and cold cocks and large nozzle. Galvanized frame and legs, 3-inch brass strainer and coupling.

For dimensions, see page 102.

THE "ROYAL" PORCELAIN SLOP SINK.

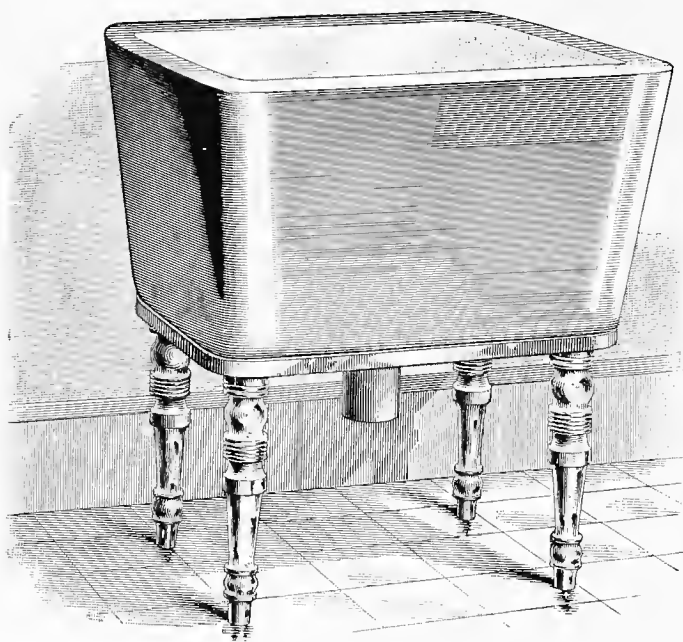


PLATE 125-C.

PLATE 125-C, consists of the "ROYAL" PORCELAIN SLOP SINK, with 3-inch brass strainer and coupling, galvanized frame and legs.

Size of Sink : 1 foot 10 inches long, 1 foot 6 inches wide outside, and 12 inches deep inside. Height from floor on legs, 2 feet 4 inches.



PLATE 126-C.

PLATE 126-C, consists of the "ROYAL" PORCELAIN SLOP SINK, glazed rim with 3-inch brass strainer and coupling, galvanized frame and legs.

The glazing on this sink extends over the roll-rim.

Size of sink : 1 foot 11 inches long, 1 foot 7 inches wide outside, and 12 inches deep inside. Height from floor on legs, 2 feet 5 inches.

THE "TUCKER" GREASE TRAP.

THE necessity for the use of a Grease-Trap under kitchen and butler's pantry-sinks is too well recognized by sanitary engineers, architects, and plumbers to require any argument. The frequent stoppage of drain-pipes which receive the waste water from kitchens of hotels, restaurants, and private houses where much dish-washing is done, is well known to those who have suffered the annoyance and been obliged to pay for the frequent removal of the clogging grease.

The "TUCKER" GREASE-TRAP is the best device, in our opinion, yet designed for that purpose.

It is believed that the money received from the sale of the grease obtained from this trap will in a very few months pay for the article itself.

We can furnish testimonials from prominent parties, who have had this trap in use for the past five or six years.

This is the only Grease-Trap made in which there is a separate chamber, through which cold water circulates with the effect of chilling the trap and congealing the grease so that it can be readily removed before it reaches the waste-pipe. These traps are made without seams, of heavy cast brass and iron, and are capable of standing any city water-works pressure that may be laid on to the chilling chamber. Experience of eight years has fully proven what is claimed for them, and abundance of testimonials of their effectiveness can be furnished if desired.

The grease, when congealed by the chilling of the trap, will float on the surface where it can be easily removed from the top after taking off the cover to the trap. The outlet of the trap being at or near the bottom, the grease cannot escape into the waste-pipe.

THE "TUCKER" GREASE TRAP.

PATENTED.

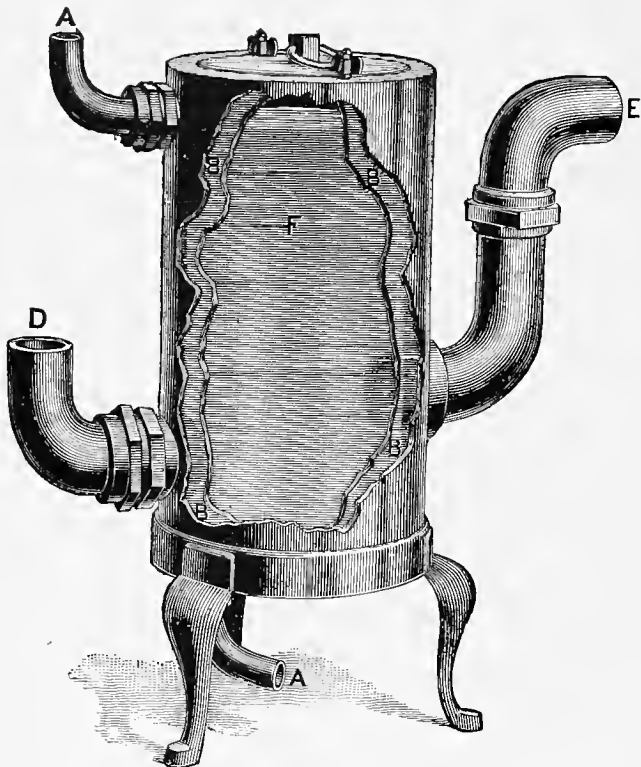


PLATE 127-C.

No. 2.

CAST BRASS, TO STAND ON FLOOR.

In making use of this style of "TUCKER" GREASE TRAP, the sink is cut out to receive the top of the trap inside of the sink. The waste-pipe from the sink then passes down the centre of the trap instead of outside.

An additional lining is provided to lift out and facilitate cleansing. Much room is saved by using this pattern.

The outlet is so arranged that when the trap is full of grease it causes a partial stoppage in the sink, thus giving notice to lift out the inner lining, which will remove with it, when raised, all the accumulated grease, and can be carried to a convenient spot.

Intended to stand on the floor at the end of any ordinary sink, the waste-pipe of which is to be attached to the coupling "D."

The outlet of the trap is at "E," which is a swivel coupling capable of being turned in any direction toward the waste-pipe.

The waste water from the sink will, of course, fill the trap to the level of the outlet "E," which is shown by the dotted lines "F."

The cold water supply pipe to the kitchen boiler must be connected to the couplings "A" "A" which communicate with and fill the chamber "B," thus the entire surface of the trap may be kept the same temperature as the water supply, which, it will be understood, must be conducted to the chamber "B," through the bottom coupling "A" and out of the upper.

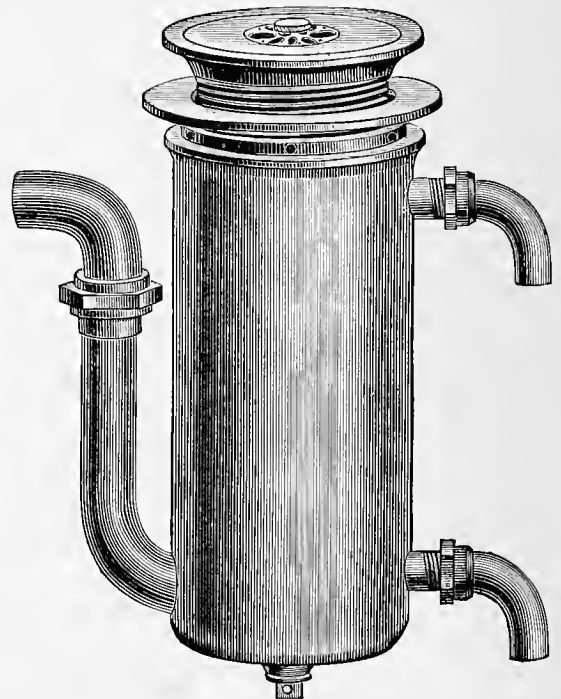


PLATE 128-C.

No. 1.

CAST BRASS FOR EARTHENWARE OR SOAPSTONE SINK.

MADE ALSO FOR IRON SINK.

THE "TUCKER" GREASE TRAP.

PATENTED.

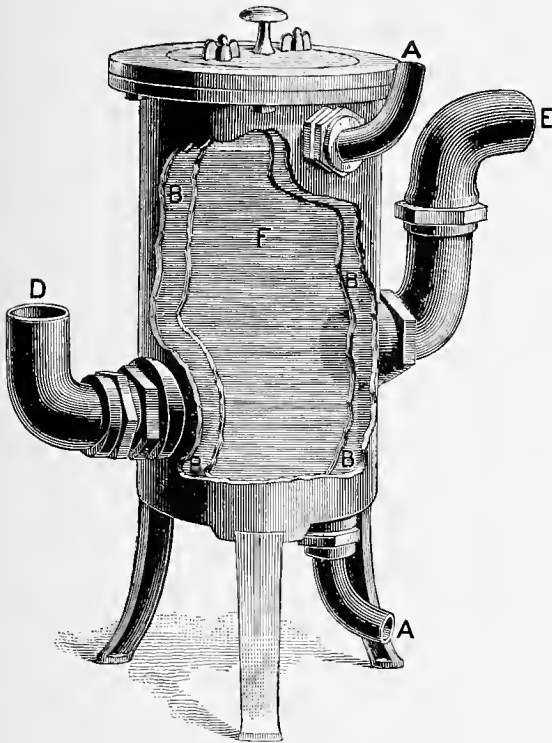


PLATE 129-C.
No. 4.
CAST IRON, TO STAND ON FLOOR.

In all respects the No. 8 is the same as the No. 4 trap, except that the circulating chamber and the inside is *porcelain lined*.

The No. 8 trap is also made for soapstone, earthenware or iron sinks.

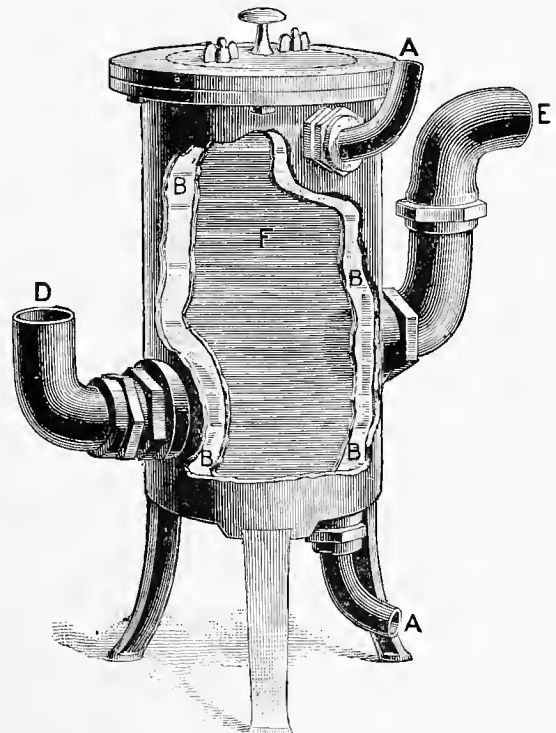


PLATE 130-C.
No. 8.
CAST IRON, TO STAND ON FLOOR,
WITH
PORCELAIN LINED CIRCULATING OR CHILLING CHAMBER.

THE "TUCKER" GREASE TRAP.

PATENTED.

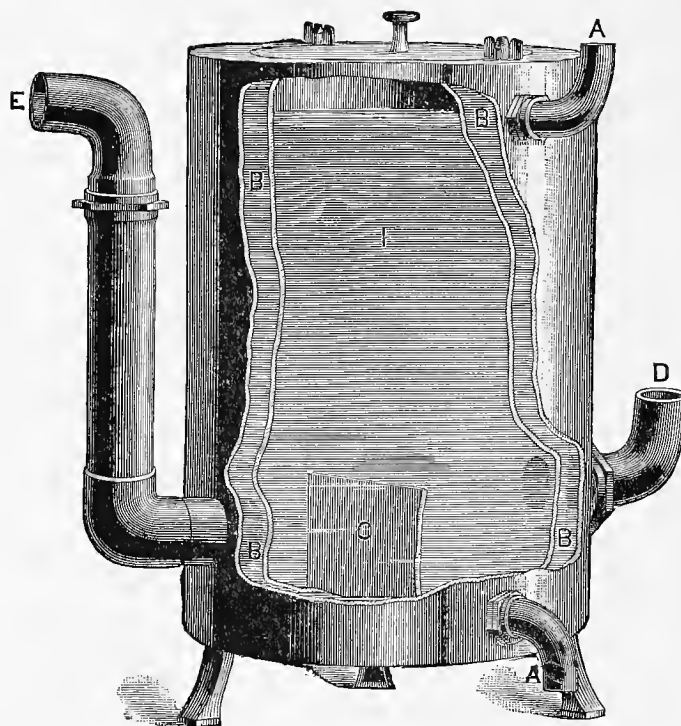


PLATE 131—C.

No. 3.

Hotel pattern, made of cast iron and adapted for the use of Restaurants, Hotels, Clubs, Institutions and Large Private Houses, where one trap of the proper size can be connected to one or more sinks. We have been informed that sufficient grease has been saved by the "Tucker" Trap in a short time to pay the cost of the trap.

Size of No. 3, Hotel Pattern,	-	-	-	-	-	-	Height, 24 inches ; Diameter 16 inches.
" " " 5, " "	-	-	-	-	-	-	" 21 " " 21 "
" " " 6, " "	-	-	-	-	-	-	" 23 " " 28 "

The description of the workings of the No. 2 Trap will also describe those of Nos. 3, 5 and 6.

THE "ROYAL" PORCELAIN SINKS.



PLATE 132-C.

The "ROYAL" PORCELAIN KITCHEN SINK, with plain rim, glazed light-brown outside.

Sizes : 24 x 17 inches ; 30 x 20 inches ; and 36 x 23 inches, outside.



PLATE 133-C.

The "ROYAL" PORCELAIN KITCHEN SINK, with glazed roll-rim, light-brown glazed outside.

Sizes : 25½ x 18½ inches ; 31½ x 21½ inches ; and 37½ x 24½ inches, outside.

The "ROYAL" PORCELAIN SINKS are made in all respects the same as the "Royal" Porcelain Baths, the quality, it is needless to say, is not equalled by any other make.

THE "ROYAL" PORCELAIN SINK,

WITH HARD WOOD RIM.

GLAZED LIGHT BROWN OUTSIDE.

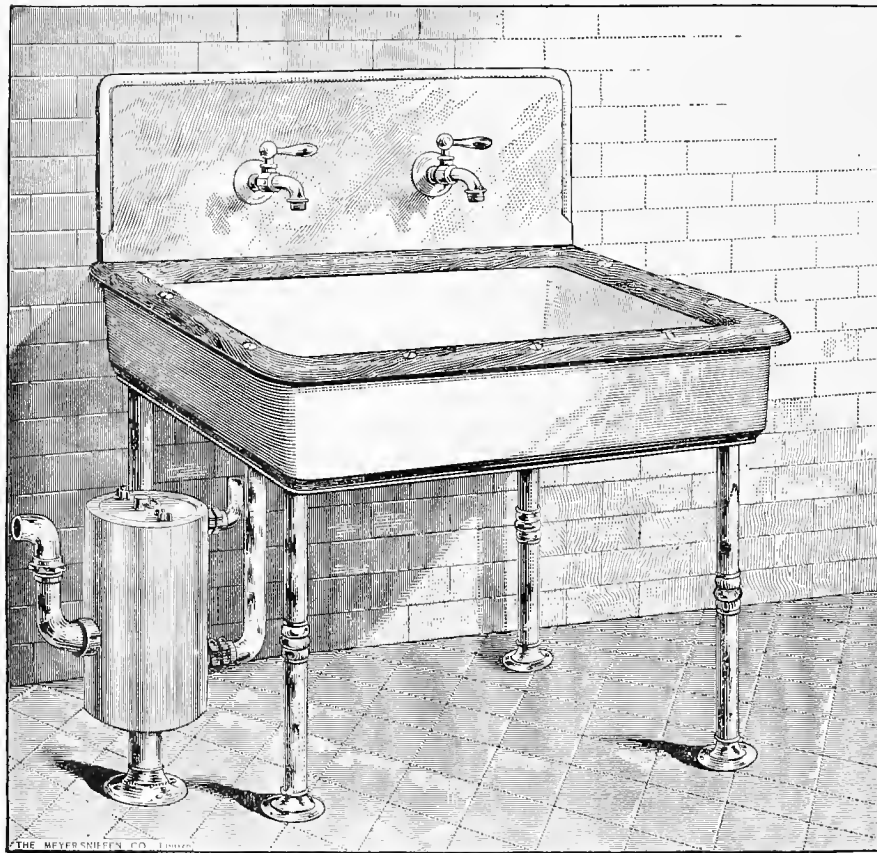


PLATE 134-C.

PLATE 134-C, consists of the "ROYAL" PORCELAIN SINK, fitted with hardwood rim, on a frame with brass legs, marble back, "Fuller" flange and thimble cocks, and No. 2 brass "Tucker" grease trap.

Size of the "ROYAL" PORCELAIN SINKS; 24 x 17, 30 x 20 and 36 x 23 inches outside.

THE "ROYAL" PORCELAIN KITCHEN SINKS are made of the same material and finish as the "Royal" Porcelain Bath, the quality, it is unnecessary to say, is unsurpassed by any other make.

THE "ROYAL" PORCELAIN SINK,

WITH GLAZED ROLL-RIM.

GLAZED LIGHT BROWN OUTSIDE.

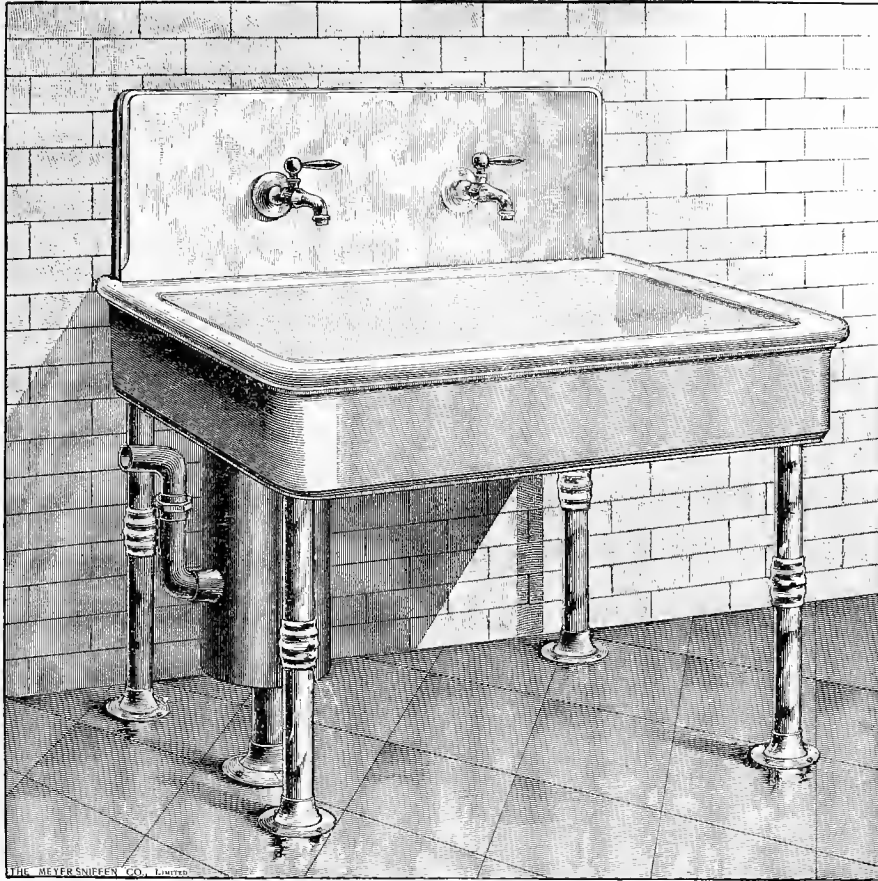


PLATE 135-C.

PLATE 135-C, consists of the "ROYAL" PORCELAIN GLAZED RIM SINK, fitted on a frame with brass legs and marble back; "Fuller" Flange and thimble cocks and the No. 1 Brass "Tucker" Grease Trap.

Sizes of the "ROYAL" PORCELAIN GLAZED RIM SINK: $25\frac{1}{2} \times 18\frac{1}{2}$; $31\frac{1}{2} \times 21\frac{1}{2}$; $37\frac{1}{2} \times 24\frac{1}{2}$ inches.

The "ROYAL" PORCELAIN SINKS are made of the same material and finish as the "Royal" Porcelain Baths; the quality, it is unnecessary to say, is unsurpassed by any other make.

THE "ROYAL" PORCELAIN WASH-TUBS.

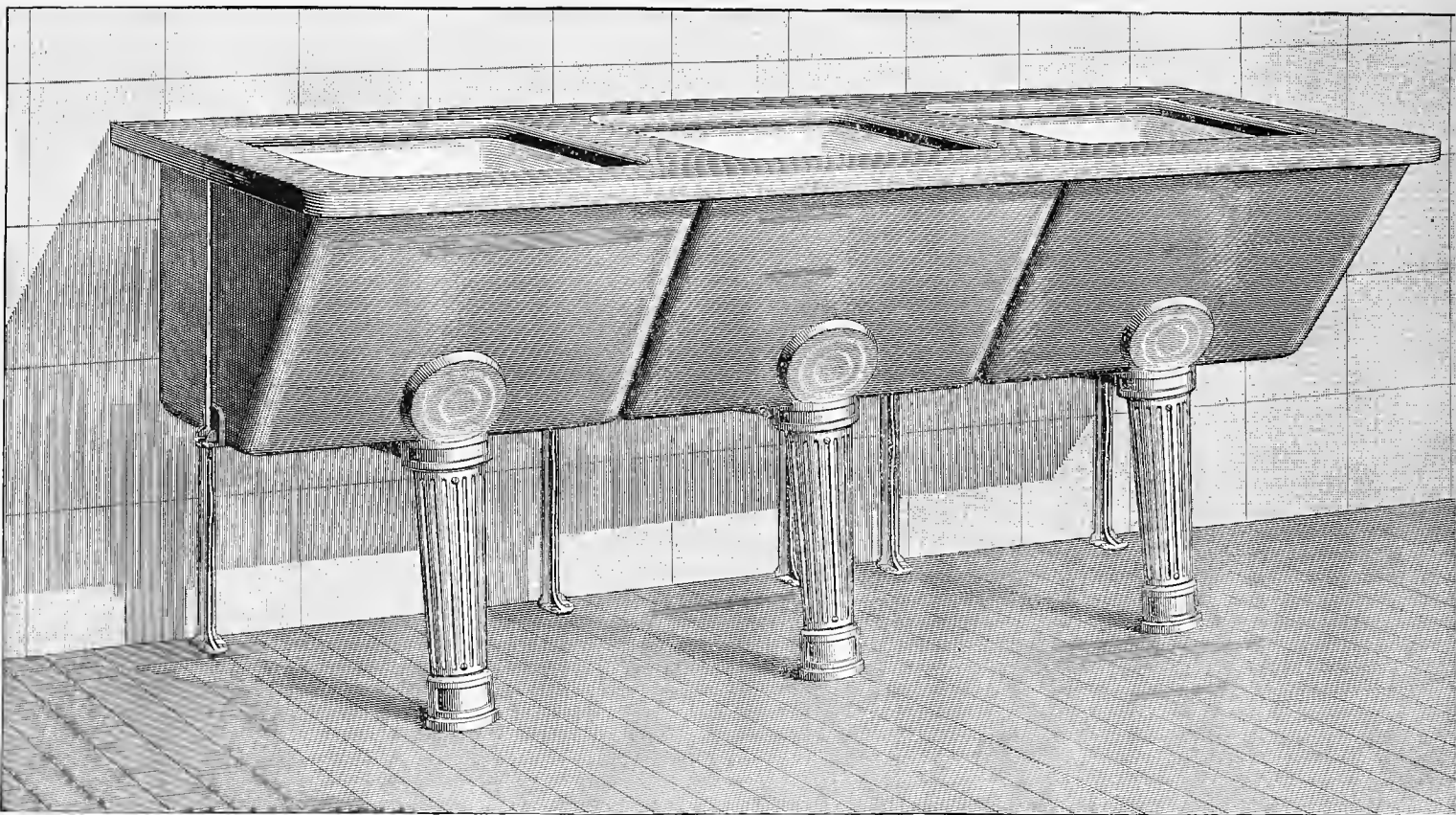


PLATE 138—C.

PLATE 138—C, consists of a set of three of the "ROYAL" PORCELAIN WASH-TUBS, set on galvanized legs with ash frame.

The "ROYAL" PORCELAIN WASH-TUBS are made of the same material and finish as the "Royal" Porcelain Bath. The quality is indisputably superior to any other wash-tub made. A soap holder is molded in the tub, and one tub in a set is provided with rubbing board molded in the piece.

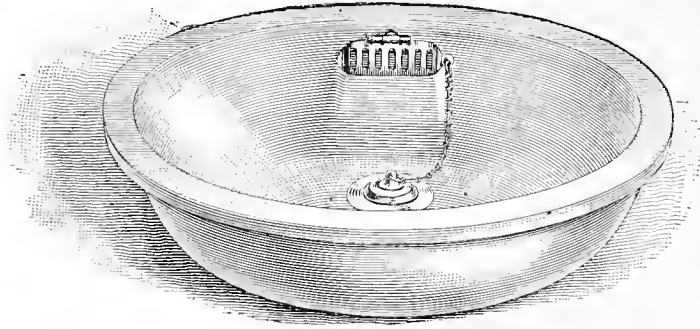
LAVATORY APPARATUS.

IN THE following pages we illustrate several different types of wash-basins and complete lavatory apparatus. It is obvious that it is quite impossible to illustrate all the different combinations that may be made with our wash-basins and their appurtenances, as the sizes of slabs and their shapes are quite often preferred to conform to the size of the space in which they are to be located.

We desire to call special attention to the construction of the overflow in the "Brighton" and "Beacon" Wash-Basins. It is well known that the weak point, in a sanitary point of view, of a wash-basin is the overflow; we believe, in the "Brighton" overflow we have devised one that is simpler and nearer to perfection in this point than any other wash-basin in the market. We invite careful inspection, and believe it will be found on comparison that our Lavatory Apparatus are unsurpassed in quality.

THE "BRIGHTON" OVAL WASH-BASIN.

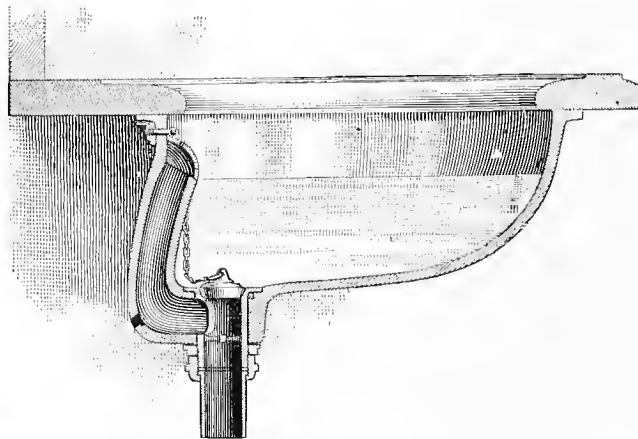
PATENTED.



FURNISHED IN IVORY, MARBLEIZED AND DECORATED.

Sizes: 17 x 14 inches ; 19 x 15 inches ; 16 x 21 inches.

PLATE 139-C.



SECTIONAL VIEW.

The "BRIGHTON" OVAL WASH-BASIN is, without a doubt, a great sanitary improvement on any other Patent Overflow Wash-Basin. The waste is at the back, which brings the plug and chain entirely out of the way. The overflow is arranged within the basin, but occupies no appreciable room, and is provided with a hinged strainer that does not have to be removed to permit the cleaning and *inspection* of the overflow passage, a feature much appreciated by those who have used this basin. The waste is $1\frac{1}{2}$ inch, which allows the basin to empty quickly.

THE "BEACON" OVAL WASH-BASIN.

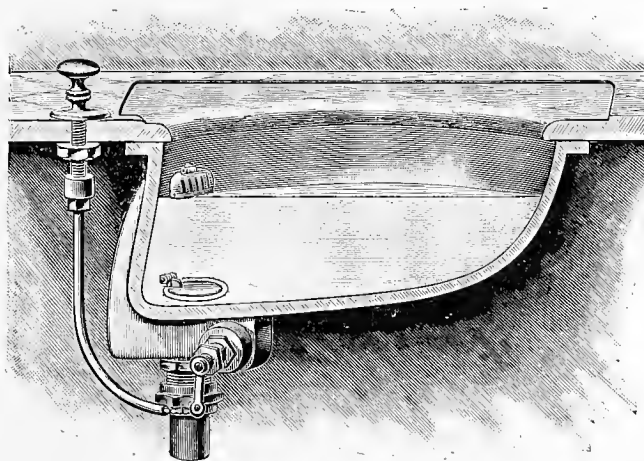
PATENTED.



PLATE 140-C.

FURNISHED IN IVORY, MARBLEIZED AND DECORATED.

Sizes: 17 x 14 inches, 19 x 15 inches, 21 x 16 inches.



SECTIONAL VIEW.

IN the "BEACON" OVAL WASH-BASIN we have the perfection of the "BRIGHTON," with all of the sanitary features and cleansing facilities of the overflow with the addition of a simple means of lifting the stopper by a knob on the slab without the use of a chain. In this, the problem often sought of dispensing with the chain without interfering with the simplicity of the overflow has been solved, and we believe this basin will commend itself to those who desire the best of this style, regardless of price.

THE "PEMBERTON" BASIN,
WITH "RAPID-TRANSIT" WASTE.

PATENTED.

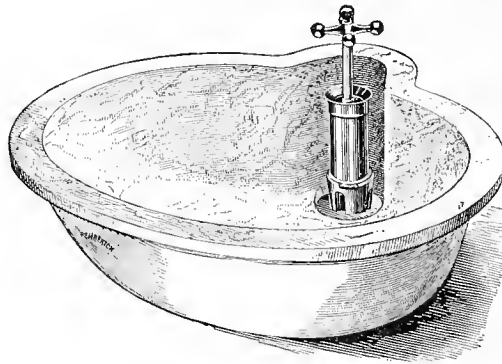
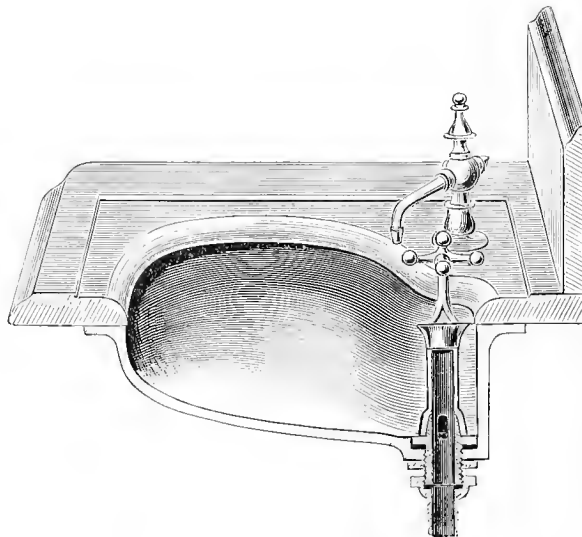


PLATE 141-C.

FURNISHED MARBLEIZED, PLAIN WHITE OR IVORY TINT, AND DECORATED TO ORDER.

We also keep in stock a few decorated "PEMBERTON" BASINS, of elegant design.



SECTIONAL VIEW, SHOWING BASIN FASTENED TO THE SLAB.

A slight turn of the handle, which operates the waste, opens or closes a series of ports in the fixture, allowing the water to escape into the waste-pipe or be retained in the basin. It is not necessary to remove the waste except for cleansing, when it may be lifted out easily, without disconnecting any coupling. We believe this to be the simplest fixture of the kind in the market and experience has proved all we claim for it.

THE "PEMBERTON" BASIN WITH "ELITE" WASTE.

PATENTED.

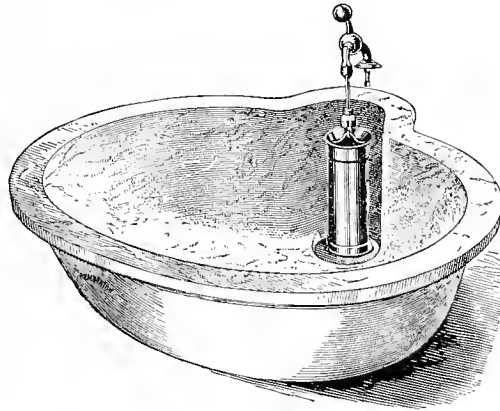
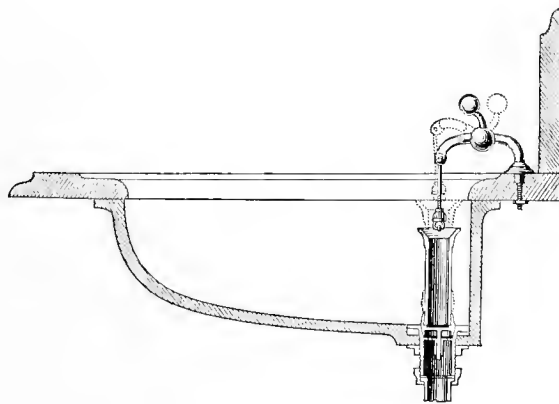


PLATE 142-C.



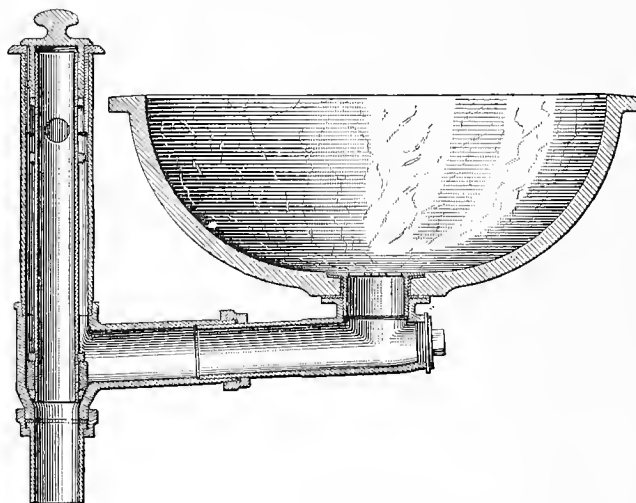
SECTIONAL VIEW OF THE "PEMBERTON" BASIN AND "ELITE" WASTE.

The preference which exists for a lifting waste in a recessed basin, that shall at the same time retain the features of the "PEMBERTON" SLAB (design patent October 26, 1886), has led to the introduction of the "ELITE" WASTE. As shown by the dotted lines in the sectional view, the stand-pipe overflow is raised by simply pushing the ball slightly backward, the friction of its bearing holding the fixture at any point. The arrangement is extremely simple, and the stand-pipe may be easily detached, for cleansing.

THE "CAPITOL" OVAL BASIN AND WASTE.



PLATE 143-C.



SECTIONAL VIEW.

The preference of some of our customers for a basin with an outside waste and overflow has induced us to offer the "CAPITOL." In this the overflow stand-pipe may be lifted out to be cleaned, and, as shown in the sectional cut, a screw is provided in front to give access to every part of the waste for cleansing, without the necessity of uncoupling any part of the fixture.

THE "BRIGHTON" OVAL WASH-BASIN.

PATENTED.

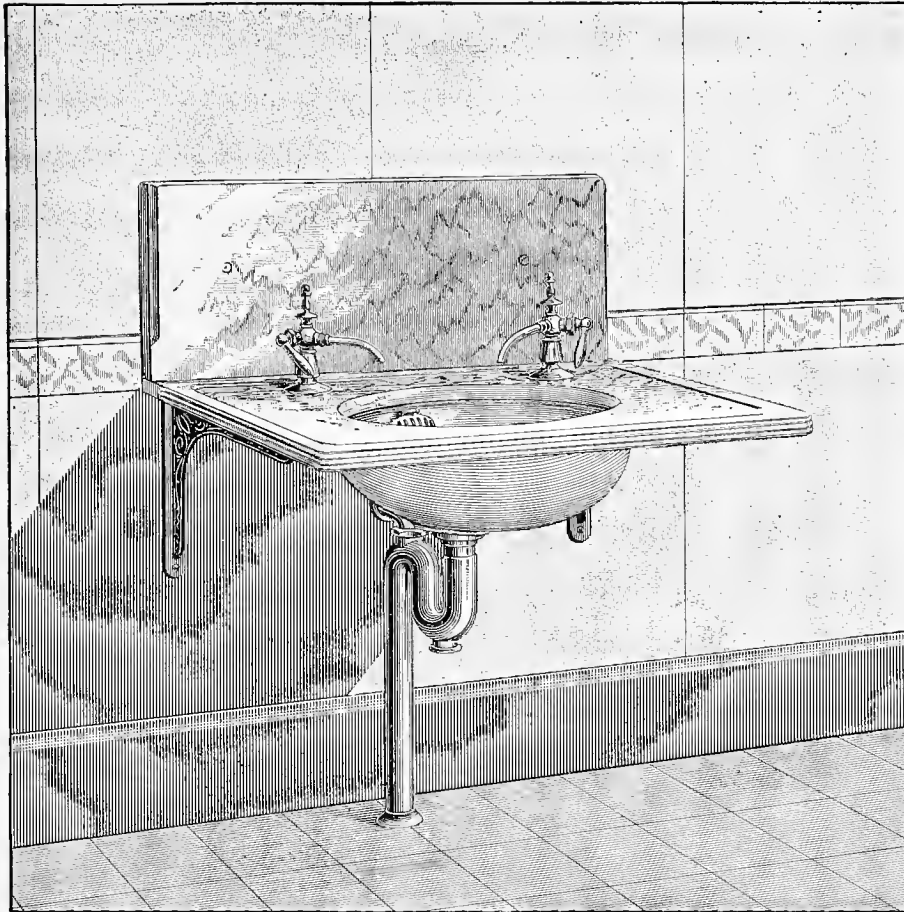


PLATE 144—C.

PLATE 144—C. Lavatory Apparatus complete, as illustrated above, consists of an Italian marble slab, 30 x 20 inches, with 10-inch back, the "BRIGHTON" OVAL WASH-BASIN, 17 x 14 inches, and 1½-inch rubber stopper, No. 2 "Fuller" basin cocks nickel-plated, bronzed brackets, No. 4 brass trap, with "back-air" to wall and waste-pipe to floor.

For description of the "BRIGHTON" OVAL WASH-BASIN see page 112, PLATE 139—C. This lavatory apparatus is conceded to be the neatest and most inexpensive fixture that can be unhesitatingly recommended from a sanitary point of view.

If desired, a 19 x 15-inch basin may be substituted for the 17 x 14-inch, and it may also be had embossed outside, like the basin shown in Plate 149—C.

THE "BRIGHTON" OVAL WASH-BASIN.

PATENTED.



PLATE 145-C.

PLATE 145-C. Lavatory Apparatus complete, as illustrated above, consists of an Italian marble slab 30 x 21 inches, with a 12-inch back. The "BRIGHTON" OVAL WASH-BASIN, Embossed, 19 x 15 inches, and 1½-inch rubber stopper, No. 2½ Fuller Basin Cock, nickel-plated. Nickel or brass-plated brackets, No. 4 Brass Trap, with "back-air" and waste through wall.

For description of the "BRIGHTON" OVAL WASH-BASIN, see page 112, Plate 139-C.

THE "PEMBERTON" BASIN.

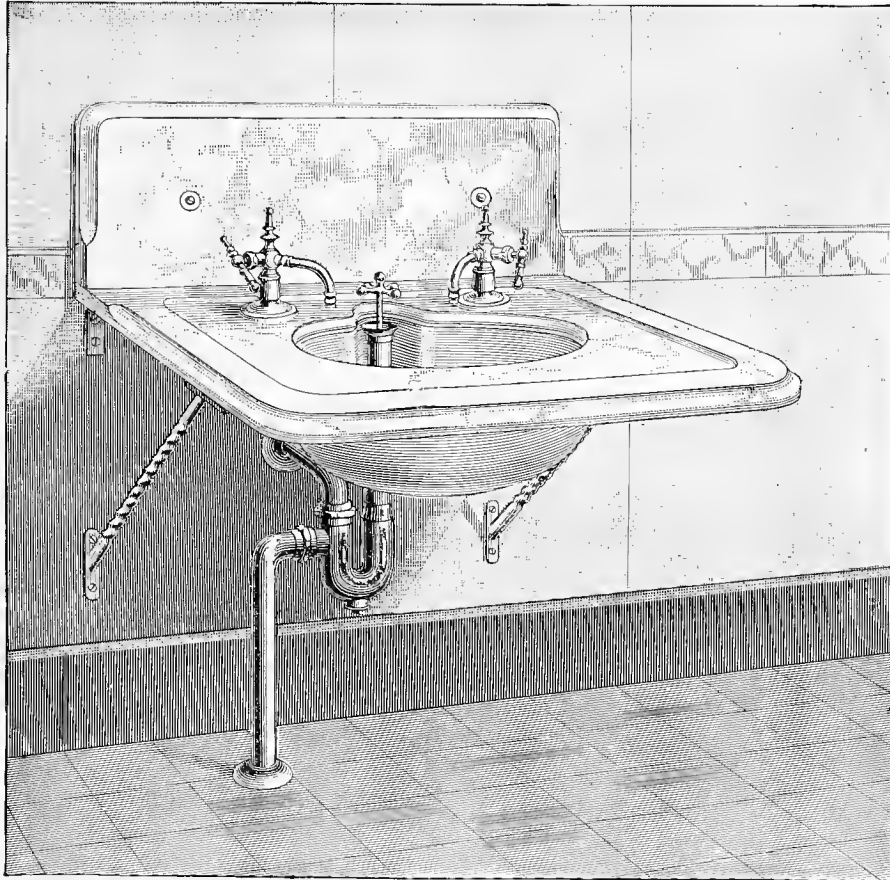


PLATE 146—C.

PLATE 146—C. The Lavatory Apparatus complete, as illustrated above, consists of an Italian marble slab, the "PEMBERTON" BASIN, marbled, plain white or ivory tint, with a nickel-plated "Rapid-Transit" Waste, nickel-plated No. $2\frac{1}{2}$ "Fuller" cocks, spiral brass supporting arms, No. 4 brass trap, with "back-air" pipe to wall and waste-pipe to floor.

The size of slab is 30 x 22 inches, with 10-inch back. Any size of slab or back will be made to order. With this style of Lavatory Apparatus the "BRIGHTON," "BEACON" or "CAPITOL" oval basin may be substituted for the "PEMBERTON," if desired.

THE "BEACON" OVAL WASH-BASIN.

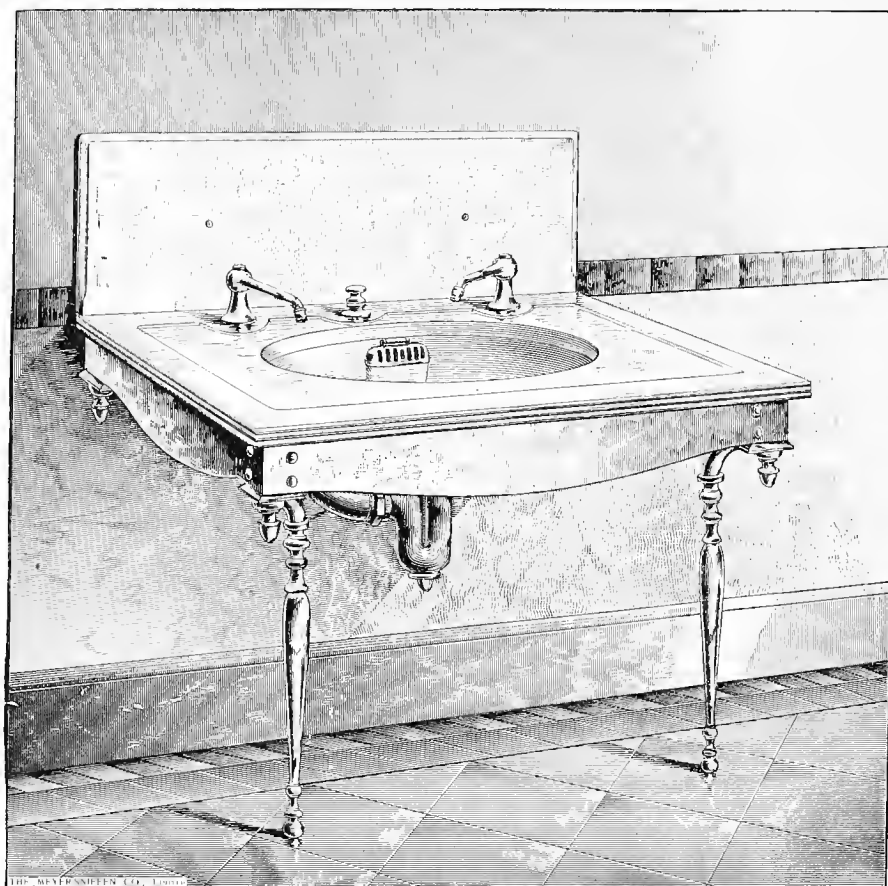


PLATE 147-C.

PLATE 147—C, Lavatory Apparatus complete, as illustrated above, consists of an Italian marble slab with fancy apron front and sides, the "BEACON" OVAL WASH-BASIN, 21 x 16 inches, nickel-plated trimmings, and "Em-Ess" No. 2 basin cocks, brass offset legs and apron support, and No. 2 brass trap.

Size of slab 33 x 22 inches with 12-inch back.

If a smaller size wash-basin is preferred the size of the slab may be reduced also. With this character of Lavatory the "Brighton," "Pemberton," or "Capital" Oval Basin may be substituted for the "BEACON," if desired.

For description of the "BEACON" OVAL WASH-BASIN, see page 113, Plate 140—C.

THE "BEACON" OVAL WASH-BASIN.

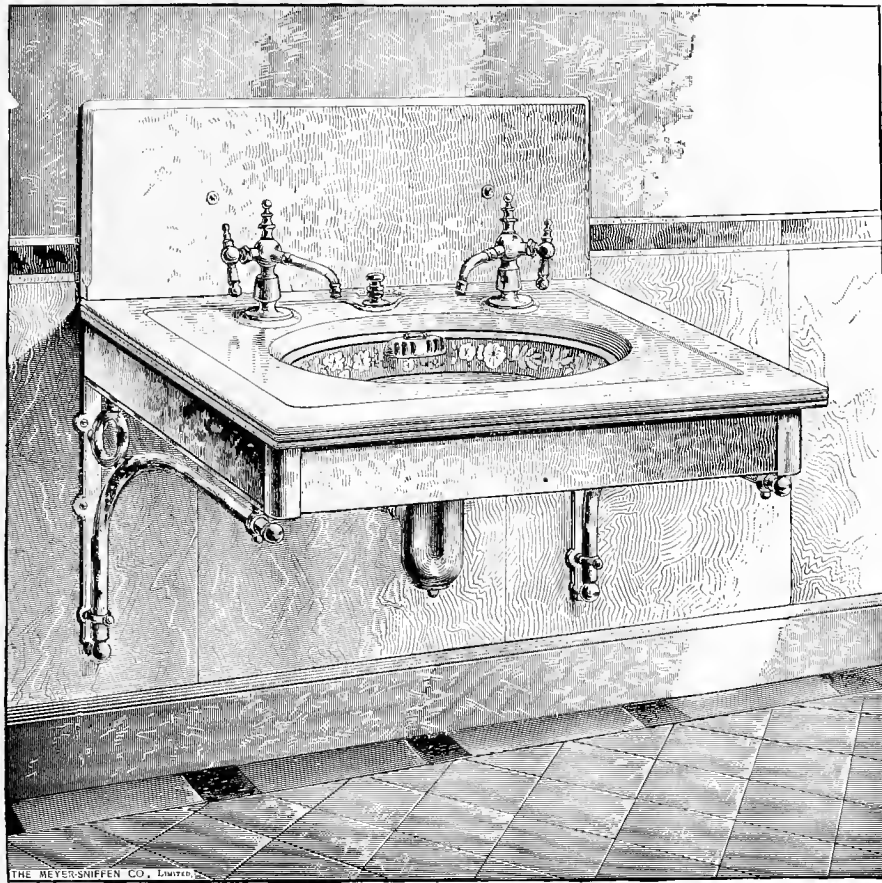


PLATE 148—C.

PLATE 148—C. Lavatory Apparatus complete as illustrated above, consists of an Italian marble slab, with apron front and sides. The "BEACON" OVAL WASH-BASIN, nickel-plated trimmings, nickel-plated No. 2½ "Fuller" Cocks, special brass apron, brackets and No. 2 brass trap.

Size of Slab, 30 x 22 inches, with 12-inch back and 5-inch aprons.

The illustration shows a decorated basin, the apparatus is usually furnished with a plain ivory basin. With this character of Lavatory the "Brighton," "Pemberton," or "Capitol" basins may be substituted for the "Beacon," if desired.

For description of the "BEACON" OVAL WASH-BASIN, see page 113, Plate 140—C.

THE "BRIGHTON" OVAL WASH-BASIN.

PATENTED.

EMBOSSED OUTSIDE.



PLATE 149—C.

PLATE 149—C. The Lavatory Apparatus complete, as above, consists of an Italian marble slab with the "BRIGHTON" OVAL WASH-BASIN, 19 x 15 inches, embossed outside. "Fuller" low down nickel-plated basin cocks, brass polished brackets, No. 2 brass trap and brass supply pipes with valves and air chambers.

Size of slab, 30 x 21 inches, with 10-inch back.

The "BEACON" BASIN may be substituted in this lavatory apparatus instead of the "BRIGHTON." We have in stock some elegant designs of decorated "BRIGHTON" or "BEACON" BASINS, embossed outside, and also finished with gold lines on the embossing, giving a very rich and beautiful effect.

THE "CAPITOL" BASIN AND WASTE.

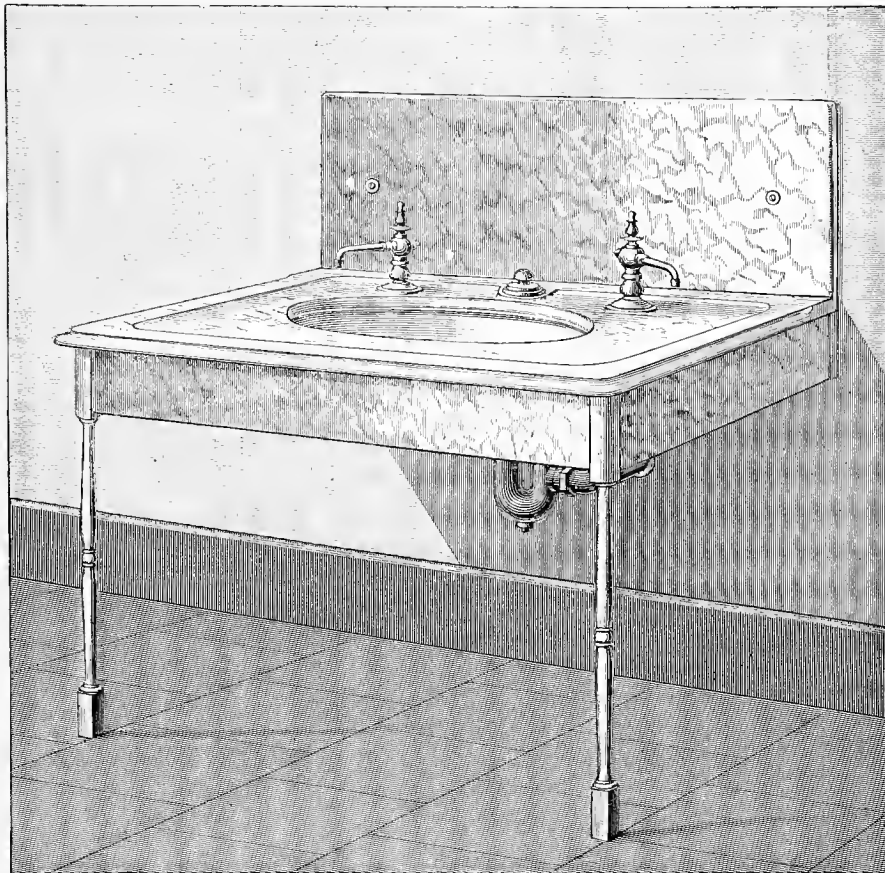


PLATE 150—C.

PLATE 150—C. Lavatory Apparatus complete, as above, consists of an Italian marble slab, with 5-inch marble apron, the "CAPITOL" Oval BASIN and WASTE, "Em-Ess" nickel-plated Basin Cocks, No. 1 Solid Brass Legs, No. 2 Brass Trap.

Size of Slab 33 x 22 inches with 12-inch back and 5-inch apron. With this style of lavatory apparatus the "BRIGHTON," "BEACON," or "PEMBERTON" BASIN may be substituted instead of the "CAPITOL" if desired.

PORCELAIN SLAB AND BASIN IN ONE PIECE.



PLATE 151—C.

PLATE 151—C. The Lavatory Apparatus complete, as above illustrated, consists of an extra large English PORCELAIN SLAB and BASIN in one piece, fitted with spiral brass supporting arms, marble back, "Em-Ess" bracket, basin cocks, nickel-plated plug and chain, special brass trap, and overflow with waste and "back air" connection.

Size: 30 x 22½ inches; marble back, 15 inches. Size of basin inside, 19½ x 15½ inches.

THE RECESSED FRONT LAVATORY.

ENGLISH PATENT.

SLAB AND BASIN IN ONE PIECE, WITH BRIGHTON OVERFLOW.



PLATE 152-C.

PLATE 152—C, consists of an all earthenware slab and basin combined in one piece, with a very large, peculiarly-shaped basin, soap and brush tray formed in the piece, with the "BRIGHTON" CLEAN-OUT OVERFLOW. Marble back, No. 2½ "FULLER" BASIN COCKS, No 2 brass trap, with waste, and bronzed brackets.

This is a practical and inexpensive lavatory, and, having our "BRIGHTON" OVERFLOW, it is highly commended in a sanitary point of view. It is *very strong*, made of the best English earthenware, and either for office or private house its use is recommended by us as a most desirable, cleanly fixture.

Dimensions : Length, 25 inches; width 20 inches, 8 inch marble back. Size of basin, *inside*, 20 x 13 inches.

THE RECESSED FRONT CORNER LAVATORY.

ENGLISH PATENT.

WITH "BRIGHTON" OVERFLOW.



PLATE 153-C.

PLATE 153—C, consists of an all earthenware corner slab and basin combined in one piece, with a very large peculiarly-shaped basin, with soap tray, formed in the piece, and with the "BRIGHTON" CLEAN-OUT OVERFLOW, marble sides, No. 2 brass trap, and "Em-Ess" basin cocks.

This is a practical and inexpensive lavatory, and, having our "BRIGHTON" OVERFLOW, it is highly commended in a sanitary point of view. It is *very strong*, made of the best English earthenware, and either for office or private house its use is recommended by us as a most desirable, cleanly fixture.

Size : 18 inches on the sides.

CORNER LAVATORY.

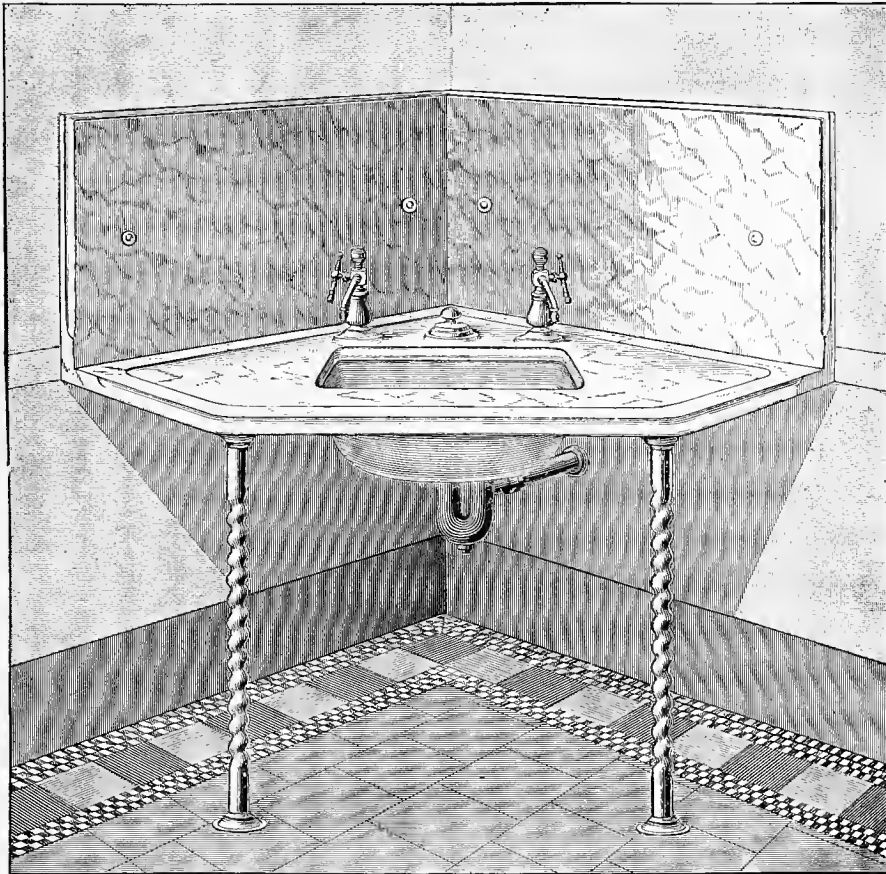


PLATE 159—C.

PLATE 159—C. Lavatory complete, as illustrated above, consists of an Italian marble angle corner slab and sides, the "Capitol" oblong basin and "Capitol" waste, No. 5½ "Fuller" nickel-plated basin cocks, No. 13 spiral brass legs and No. 2 brass trap.

With this character of lavatory, the "BRIGHTON," "BEACON" or "PEMBERTON" BASIN may be substituted, instead of the "CAPITOL," if desired.

Size of Slab, 27-inch corner, 15-inch sides.

THE "PEMBERTON" BASIN.

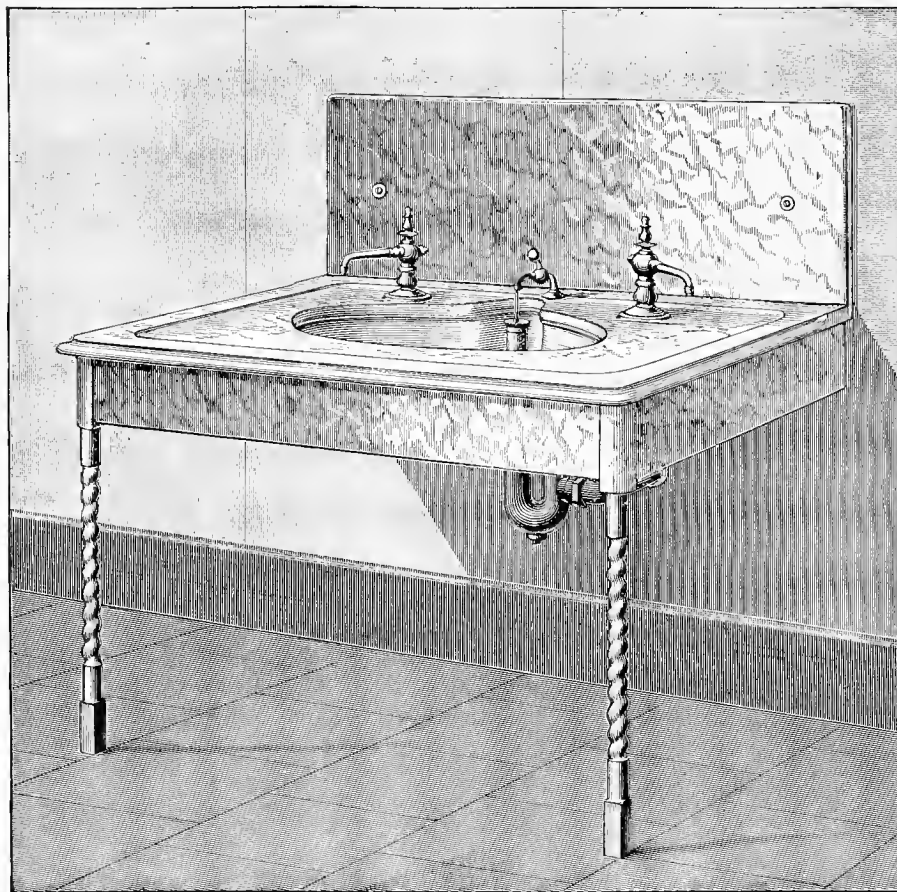


PLATE 155—C.

PLATE 155—C. The Lavatory Apparatus complete, as shown above, consists of Italian marble slab, with 5-inch marble apron sides and front, the "PEMBERTON" MARBLED BASIN, nickel-plated "Elite" or "Rapid-Transit" waste, "Em-Ess" nickel-plated faucets, spiral brass legs and brass trap, with waste and "back-air" pipe connections.

Size of slab, 33x22 inches, with 12-inch back and 5-inch apron.

BRACKETS FOR OPEN LAVATORIES.



PLATE 156-C.

GERMAN BRONZED.

Sizes : 19 x 14 inches and 16 x 12 inches.

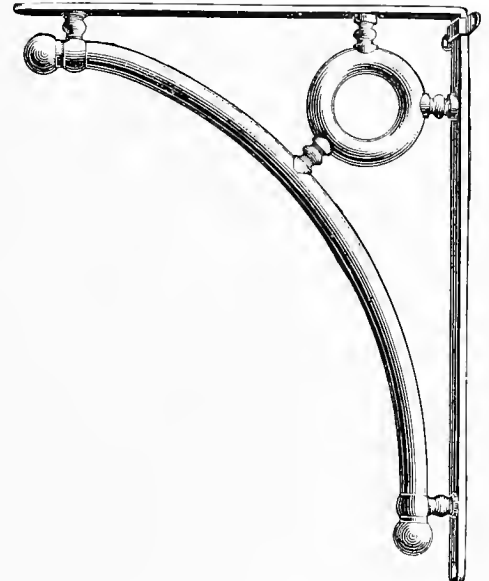


PLATE 158-C.

POLISHED BRASS AND NICKEL PLATED.
EXTRA FINE FINISH.

Size: 20 x 16 inches.

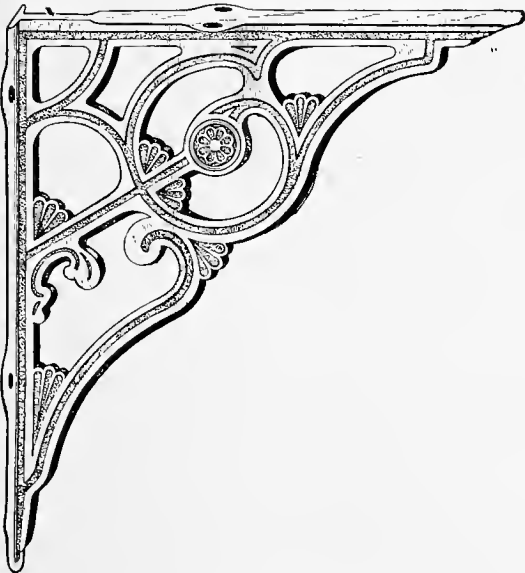


PLATE 157-C.

CAST BRASS. POLISHED OR NICKEL PLATED.

Sizes : 18 x 16 inches and 16 x 15 inches.

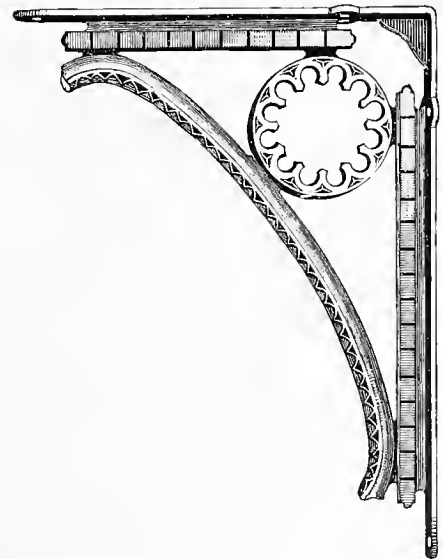


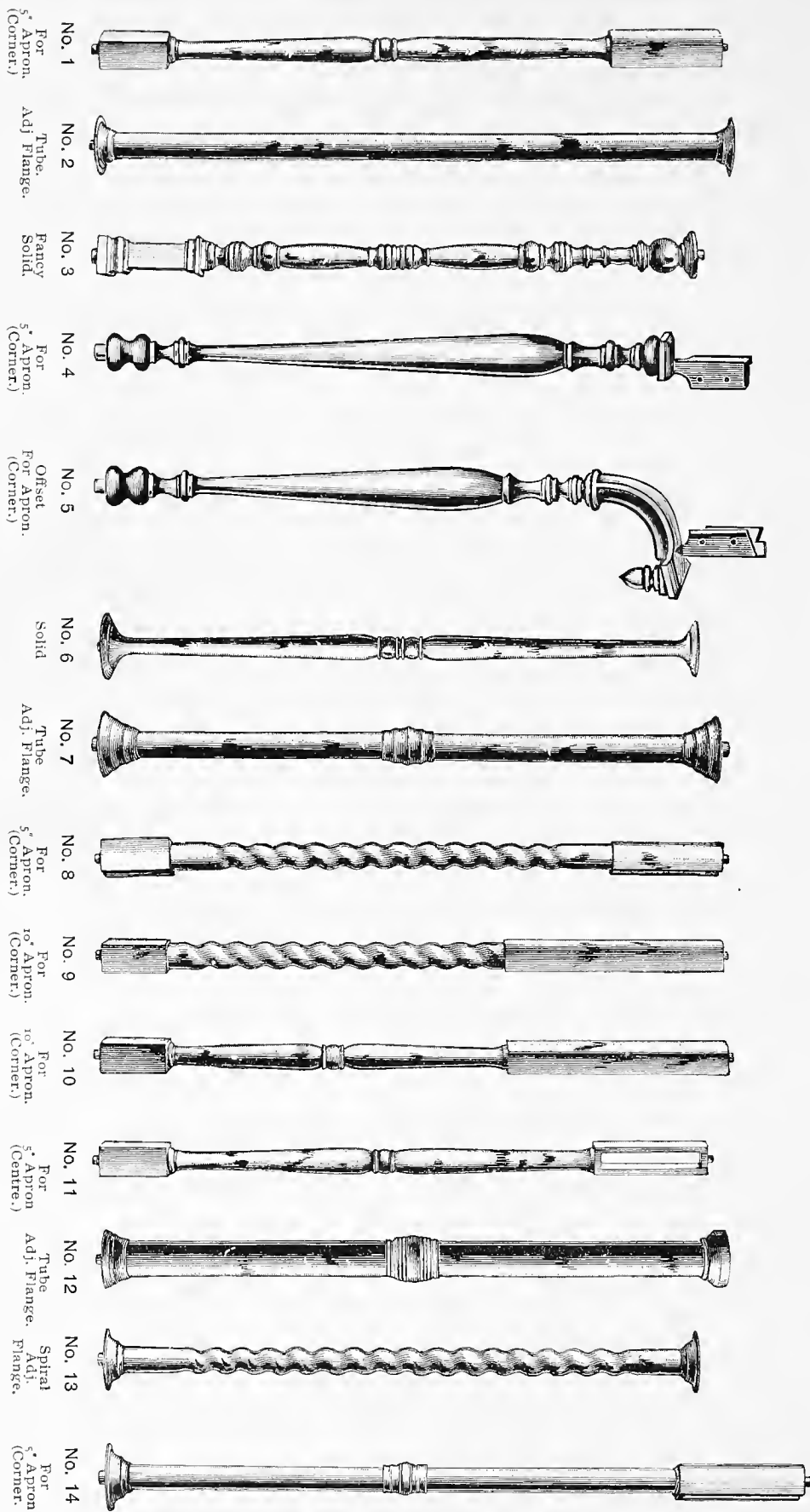
PLATE 159-C.

NICKEL OR BRASS PLATED.

Size: 19 x 16 inches.

BRASS LEGS FOR OPEN LAVATORIES.

POLISHED BRASS OR NICKEL-PLATED.



BRASS TRAPS FOR OPEN LAVATORIES.

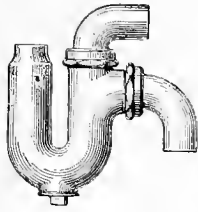


PLATE 160-C.

No. 1.—S-Trap furnished with straight coupling if wanted, to make half S-Trap; polished brass or nickel-plated.

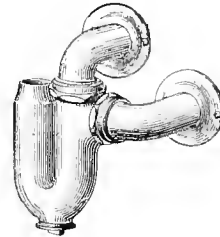


PLATE 161-C.

No. 2.—Connections for waste and "back-air" to wall, with escutcheons. Usual length from centre of trap to wall, 5 inches; polished brass or nickel plated, furnished also with bent thimbles screwed to the waste and "back-air" connection for back of wall.

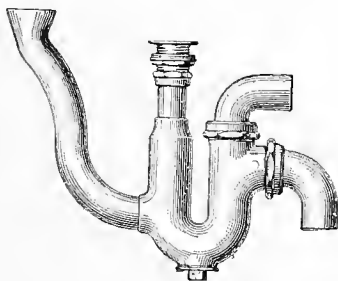


PLATE 162-C.

No. 3.—S-Trap with plug and overflow for C. O. Basin; furnished in polished brass or nickel-plated, also with bent thimbles screwed to "back-air" and waste connection for back of wall.

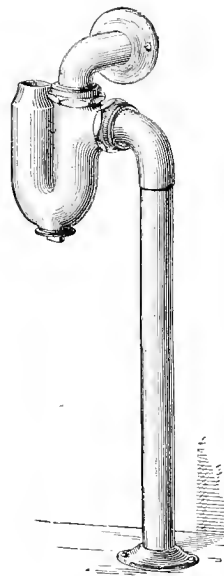


PLATE 163-C.

No. 4.—S-Trap with waste connection to floor and "back-air" to wall; polished brass or nickel-plated, furnished also with bent thimble screwed to "back-air" connection for back of wall; distance of centre of trap to wall, 5 inches.

These traps are cast very smooth and are finely finished; have ground couplings, and are made first-class in every respect; can be threaded to fit any basin coupling or patent basin fixture. No. 3 has to be fitted to the basin to which it is to be attached, on account of the overflow horns being irregular. We make to order many shapes and styles of traps not here illustrated, to suit special conditions and for special lavatories.

THE "DOHERTY" SELF-CLOSING FAUCETS.

THESE FAUCETS have been used for the last fourteen years, and although subjected to most severe usage we have never had a complaint of their "sticking" or failure to give entire satisfaction. The ingenious application of the "double lever" makes them the *most easily opened* Self-Closing Cocks that contain a spring powerful enough to stand the pressure of all city water-works.

They are now the most popular Self-Closing Faucets in the market, and their durability, simplicity, and reasonable price have secured for them a large sale everywhere.

In New York City and vicinity we keep them in repair three years without charge.

Special attention is called to the "DOHERTY" BALL COCK, illustrated on page 138. These Ball Cocks give most satisfaction where the water pressure is very heavy. They will not hammer, or splash the water in the tank.

THE "DOHERTY" SELF-CLOSING BASIN COCK.

PATENTED.



PLATE 164-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "DOHERTY" SELF-CLOSING FAUCETS.

PATENTED.

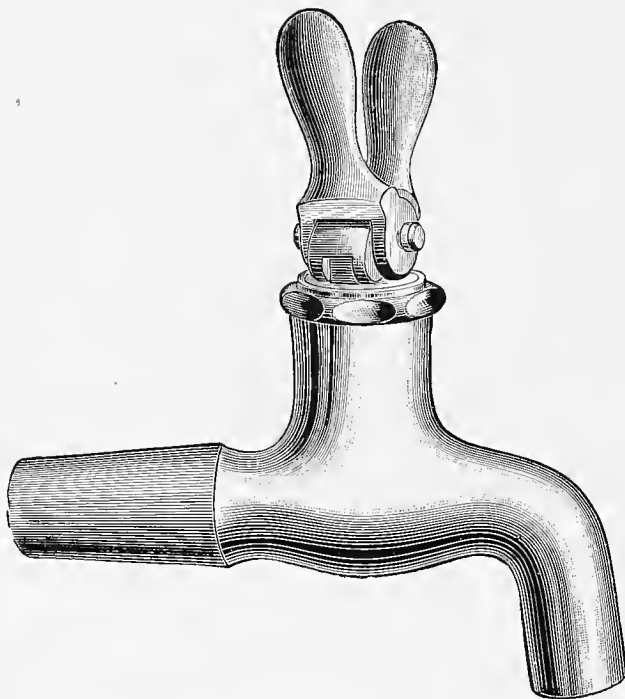


PLATE 165-C.
THE "DOHERTY" PLAIN BIBB.

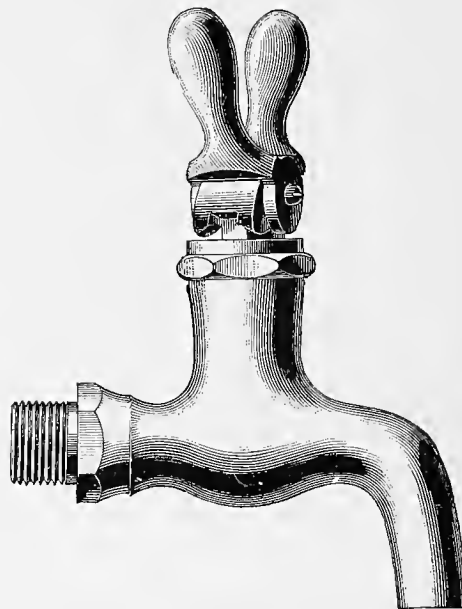


PLATE 166-C.
THE "DOHERTY" PLAIN BIBB. (FOR IRON PIPE.)

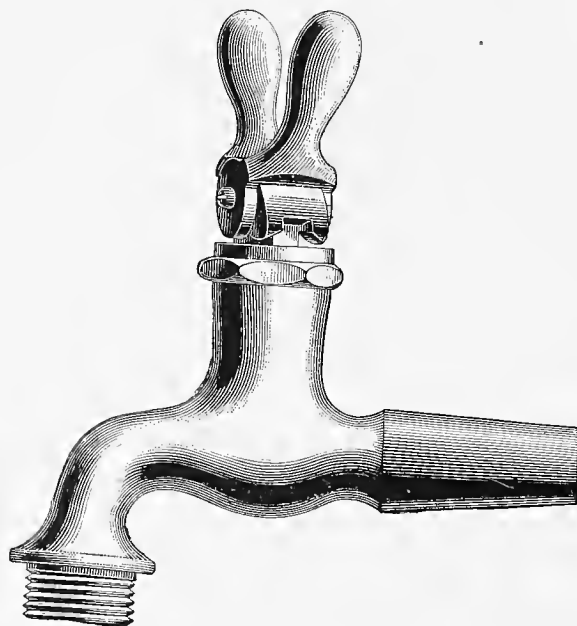


PLATE 167-C.
THE "DOHERTY" HOSE BIBB.

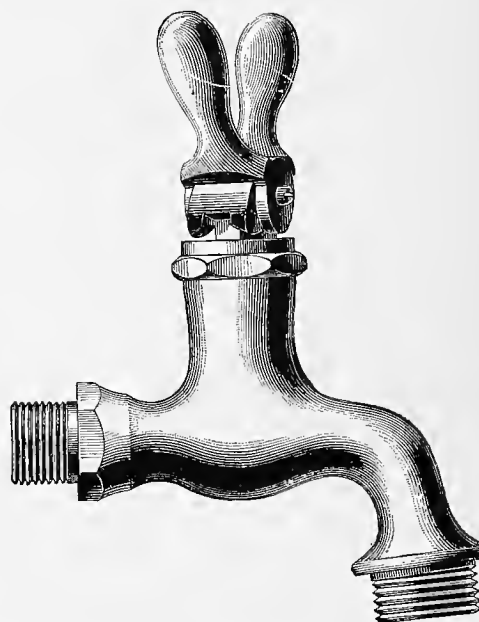


PLATE 168-C.
THE "DOHERTY" HOSE BIBB. (FOR IRON PIPE.)

Sizes, $\frac{1}{2}$ -inch and $\frac{3}{8}$ -inch.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "DOHERTY" SELF-CLOSING FAUCETS.

PATENTED.

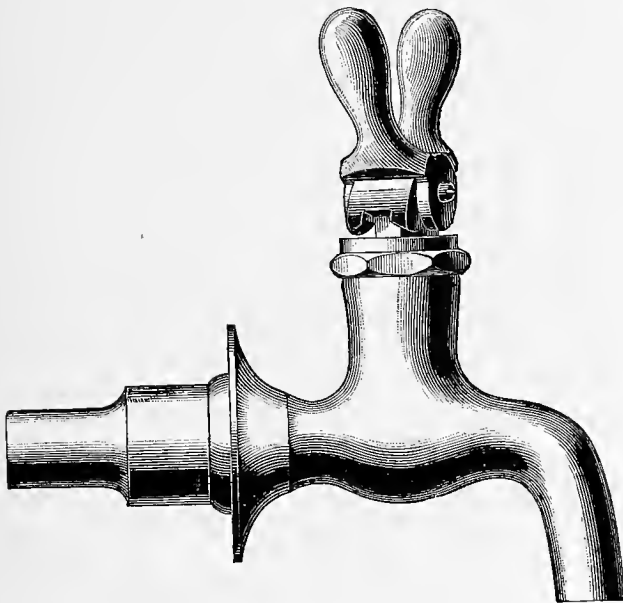


PLATE 169-C.

THE "DOHERTY" PLAIN BIBB, FLANGE AND THIMBLE.

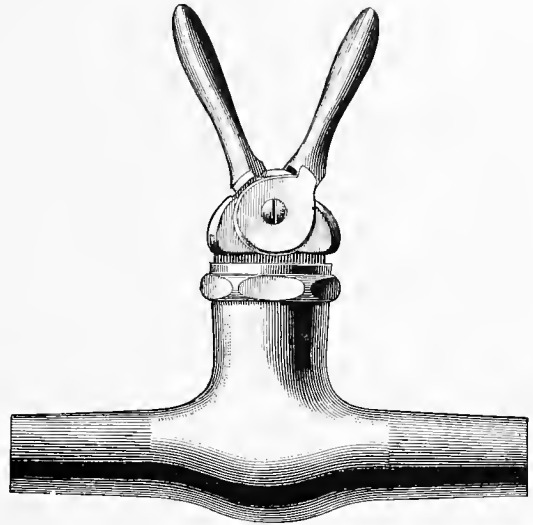


PLATE 171-C.

THE "DOHERTY" STOP COCK. (FOR LEAD PIPE.)

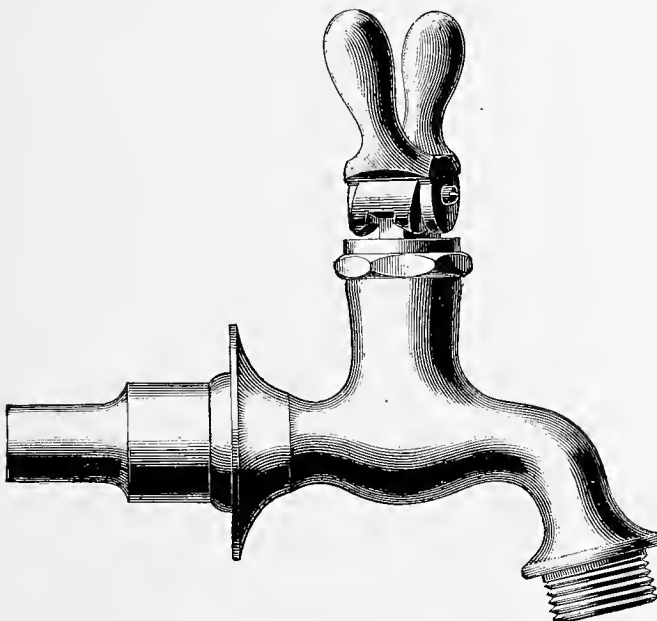


PLATE 170-C.

THE "DOHERTY" HOSE BIBB, FLANGE AND THIMBLE.

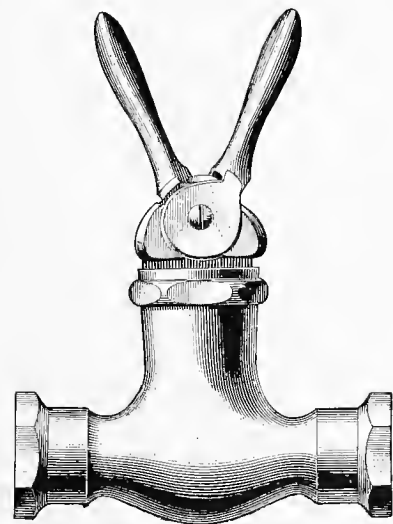


PLATE 172-C.

THE "DOHERTY" STOP COCK. (FOR IRON PIPE.)

Sizes: $\frac{1}{2}$ -inch and $\frac{3}{8}$ -inch.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "DOHERTY" SELF-CLOSING PANTRY COCK.

PATENTED.

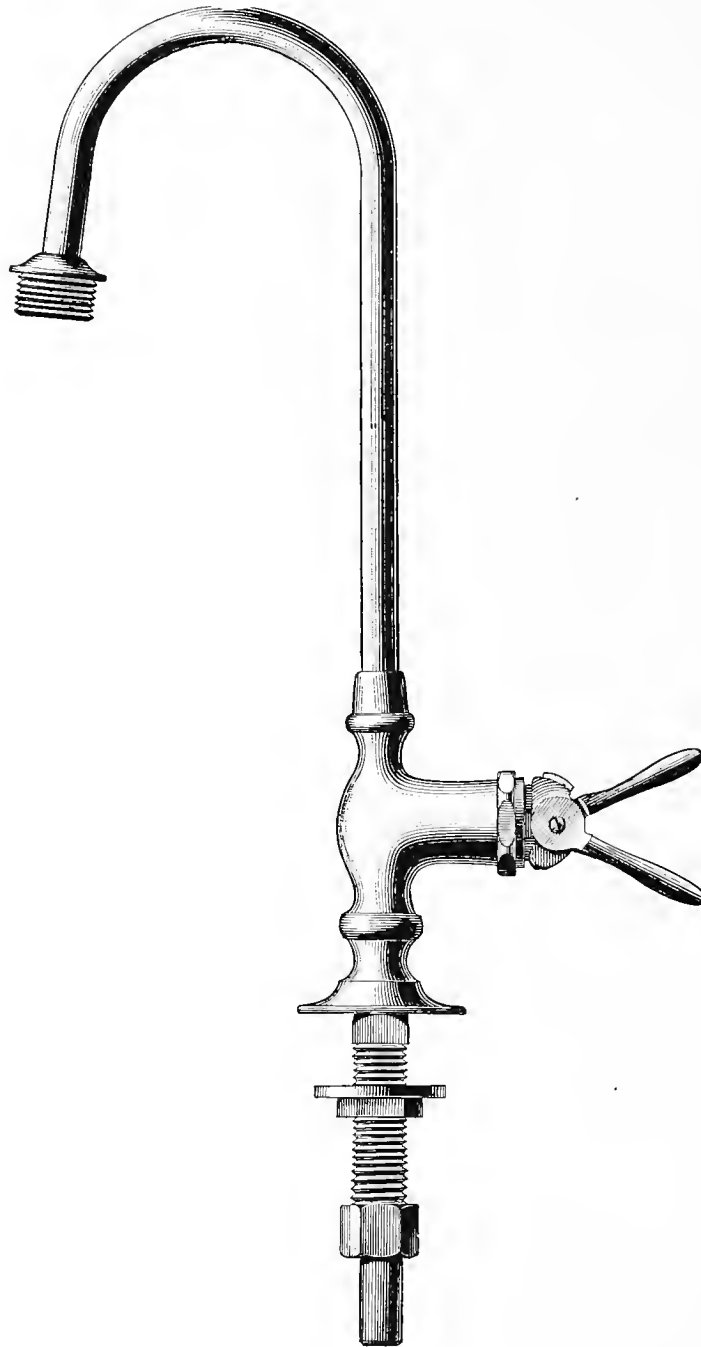


PLATE 173-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "DOHERTY" SELF-CLOSING FAUCETS.

PATENTED.

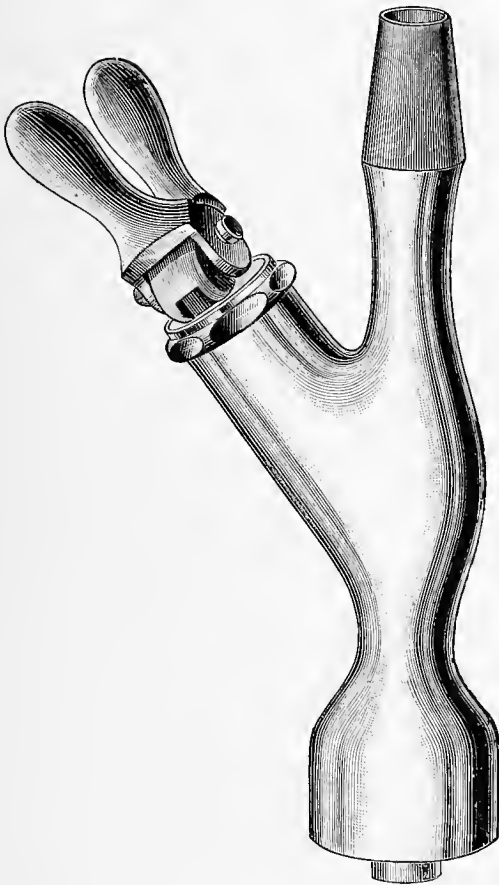


PLATE 174-C.

The "DOHERTY" URINAL COCK,
for Lead Pipe.

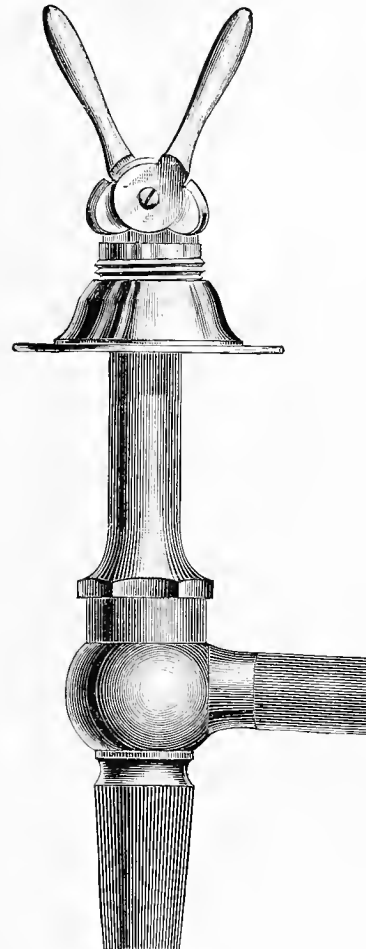


PLATE 175-C.

The "DOHERTY" HOPPER COCK,
for Lead Pipe.

MADE ALSO FOR IRON PIPE. FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "DOHERTY" BALL COCK.

PATENTED.

FOR LEAD PIPE.

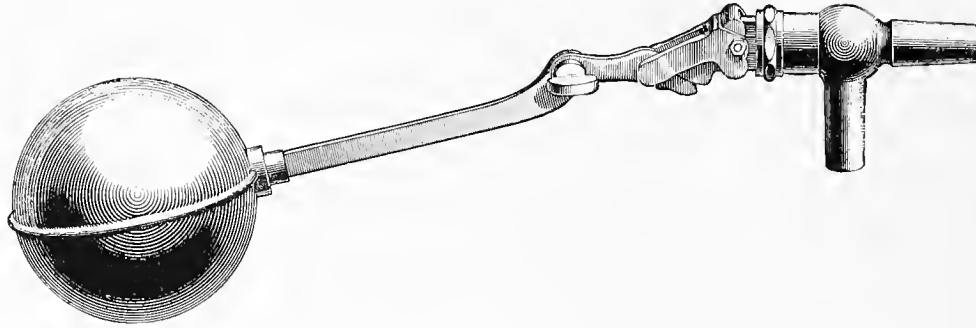


PLATE 176-C.

THE "DOHERTY" BALL COCK.

PATENTED.

FOR IRON PIPE.

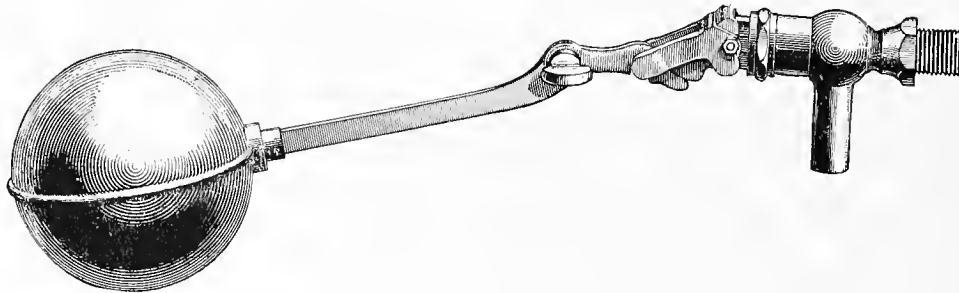


PLATE 177-C

The "DOHERTY" BALL COCK is conceded by those who have given it a test to be satisfactory, where the pressure is heavy, and where great trouble has been experienced with any other kind.

The ordinary ball cock, even of the best makes, is controlled by the buoyancy of the float acting directly on the valve and is liable to hammer and splash under certain conditions, to say nothing of the constant and annoying leakage.

In the "DOHERTY," however, a spring closes the valve, the float acting to open it by its weight. When it floats up to a certain point, being self-closing, it immediately closes independent of the float, and as the spring is made powerful enough to stand two hundred pounds pressure to the square inch when new, it will last many years without repairs. Our experience of the last ten years justifies us in "claiming everything" for it. Those that understand the annoyance of a leaky and noisy ball cock, will appreciate and insist upon having the "DOHERTY."

THE "FULLER" FAUCETS.

CONSPICUOUS among the water supply fittings regarded as standard articles, are the "FULLER FAUCETS."

For more than twenty years these faucets have stood the test of popular usage under the most severe conditions, and without regard to the character or temperature of the water passing through them, and they are to-day regarded with the utmost favor by experienced architects, plumbers, and householders, who do not look at first cost merely.

If imitation be an indorsement we have had ample testimony as to their quality and reliability, in the imitations of the "FULLER FAUCETS" which have been placed upon the market since we succeeded in establishing a reputation for them.

We give a guarantee to keep them in repair in this city for three years, but as there are several imitations, we would respectfully ask, that before sending to us to do repairs to faucets believed to be the "FULLER," parties will make sure they are the genuine article, *bearing our stamp*.

For the benefit of those interested, we mention some points of superiority which these faucets have:

They have an elastic valve and a metal seat, and shut with the water pressure, hence, they will not leak.

They have a tapered nut at the end of the stem, to avoid water hammer or concussion in the pipes.

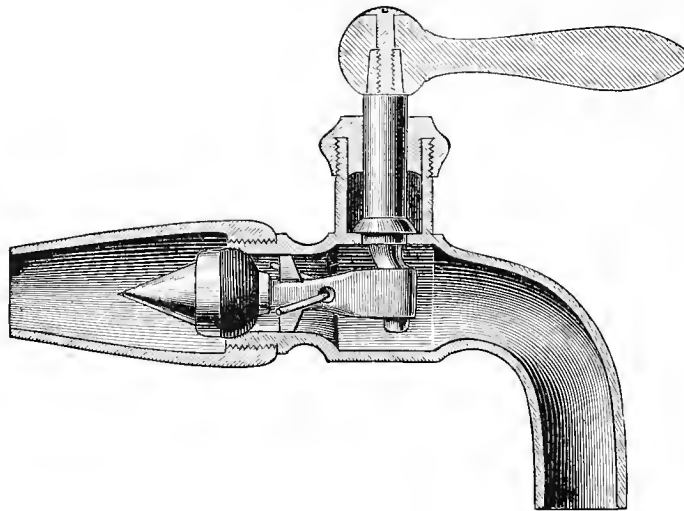
They open and close with extreme ease.

They may be easily repaired, the body of the faucet may be unscrewed with the utmost ease.

They are, all things considered, the most durable faucets made.

To get the genuine article, specify "FULLER WORK," manufactured by THE MEYER-SNIFFEN CO., Limited, and see that it bears that firm's stamp.

THE "FULLER" FAUCET.



SECTIONAL VIEW.

The valve is conical shaped and closes with the pressure. It is opened by turning the handle in either direction, one-half turn opening it to its full capacity. Its great durability arises from the fact that no amount of turning or twisting the handle creates any extra pressure on the valve. Some time ago we introduced a guide in the stem that completely corrects any tendency to rattle under heavy pressure. The body of the faucet is easily unscrewed, and the valve may be replaced when worn.

THE "FULLER" FAUCETS.

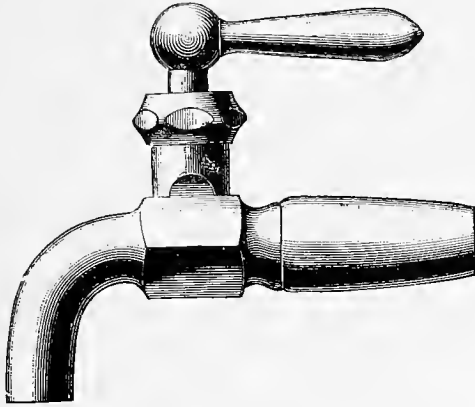


PLATE 178-C.

THE "FULLER" PLAIN BIBB.

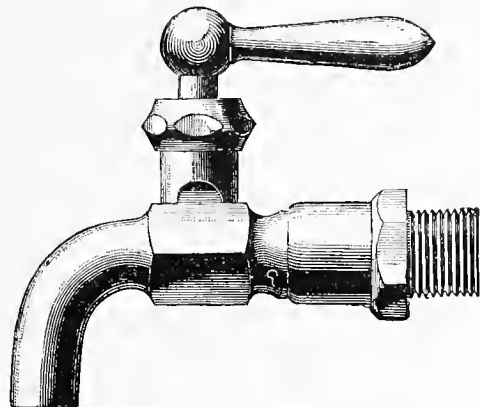


PLATE 179-C.

THE "FULLER" PLAIN BIBB. (FOR IRON PIPE.)

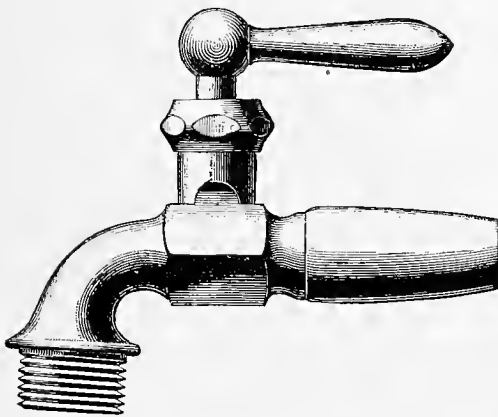


PLATE 180-C.

THE "FULLER" HOSE BIBB.

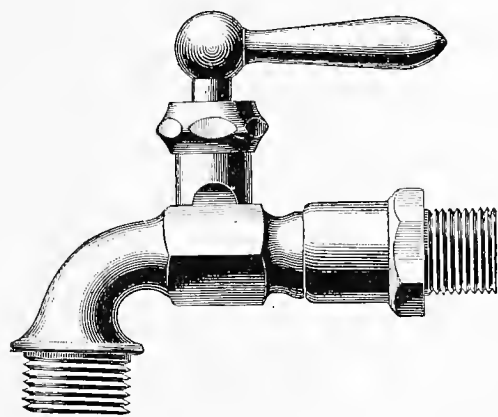


PLATE 181-C.

THE "FULLER" HOSE BIBB. (FOR IRON PIPE.)

Sizes: $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$ and $1\frac{1}{2}$ inch.

THE "FULLER" FAUCETS.

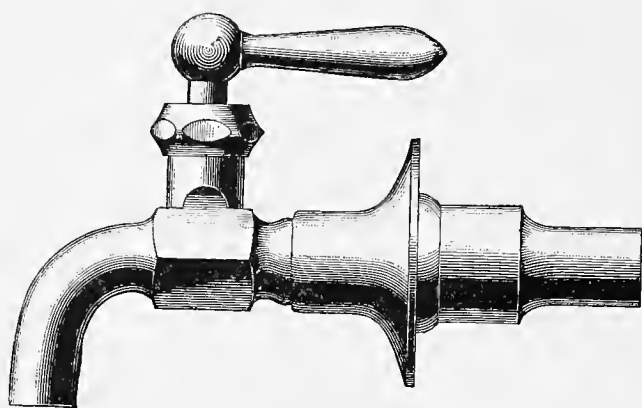


PLATE 182-C.

THE "FULLER" PLAIN BIBB, FLANGE AND THIMBLE.

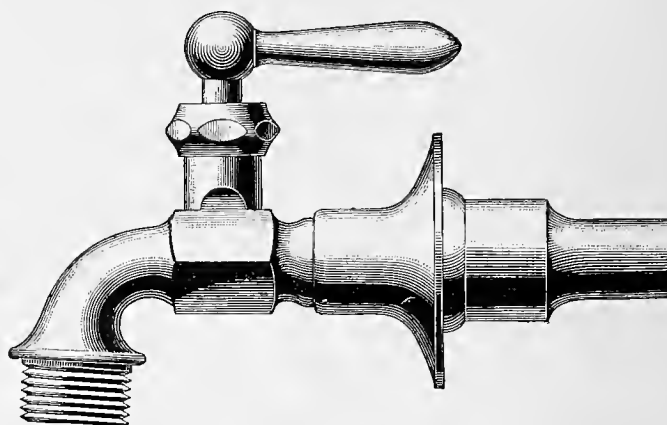


PLATE 183-C.

THE "FULLER" HOSE BIBB, FLANGE AND THIMBLE.

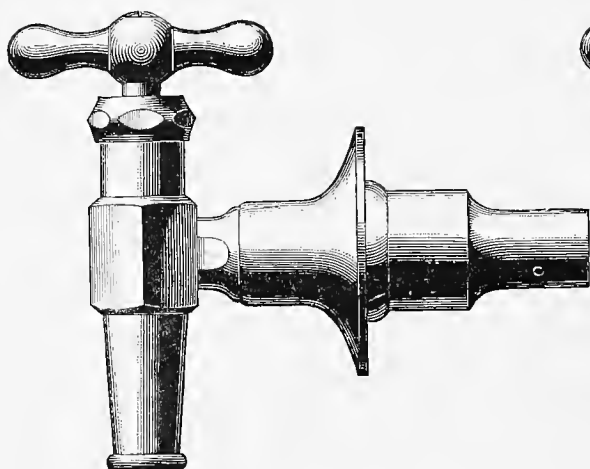


PLATE 184-C.

THE "FULLER" BATH BIBB, FLANGE AND THIMBLE.

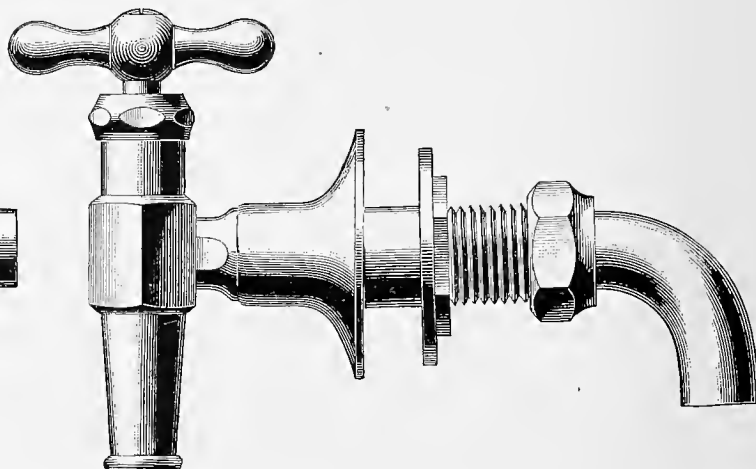


PLATE 185-C.

THE "FULLER" BATH BIBB, FLANGE, NUT AND BENT COUPLING.

Sizes: $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1 inch.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" WASH-TRAY BIBB.

(FLANGE AND THIMBLE.)

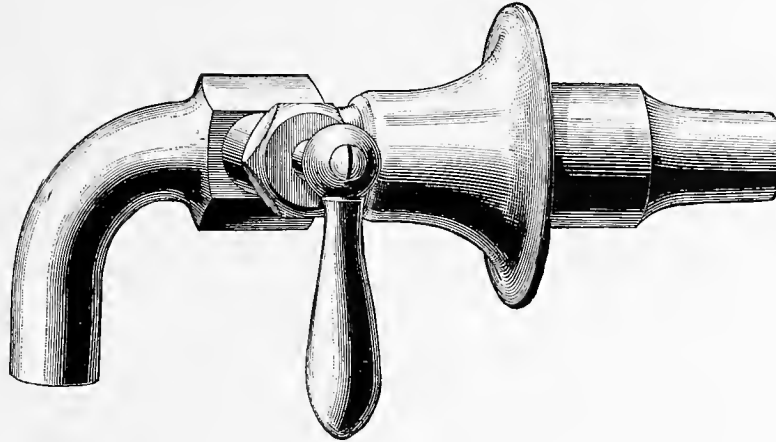


PLATE 186-C

THE "FULLER" WASH-TRAY BIBB.

(FLANGE, NUT AND BENT COUPLING.)

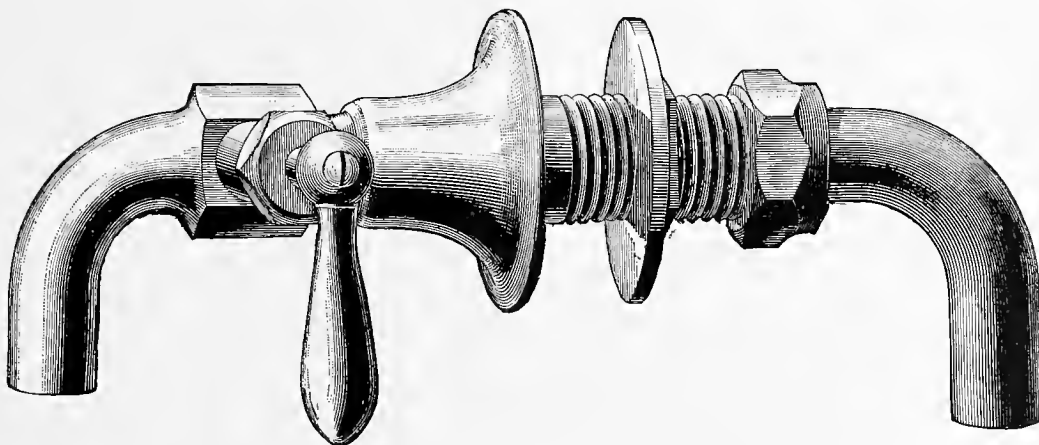


PLATE 187-C.

Sizes, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1 inch.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

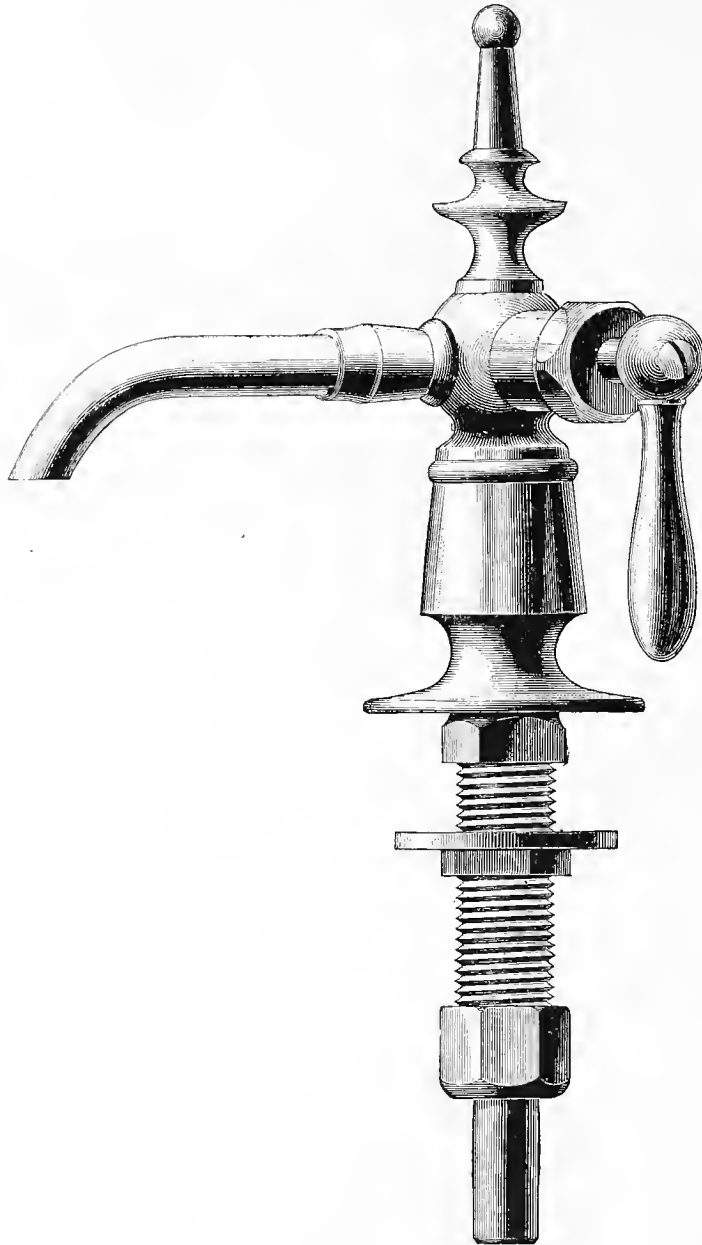


PLATE 188-C.

No. 1.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.



PLATE 189-C.

NO. 2.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED

THE "FULLER" BASIN COCK.

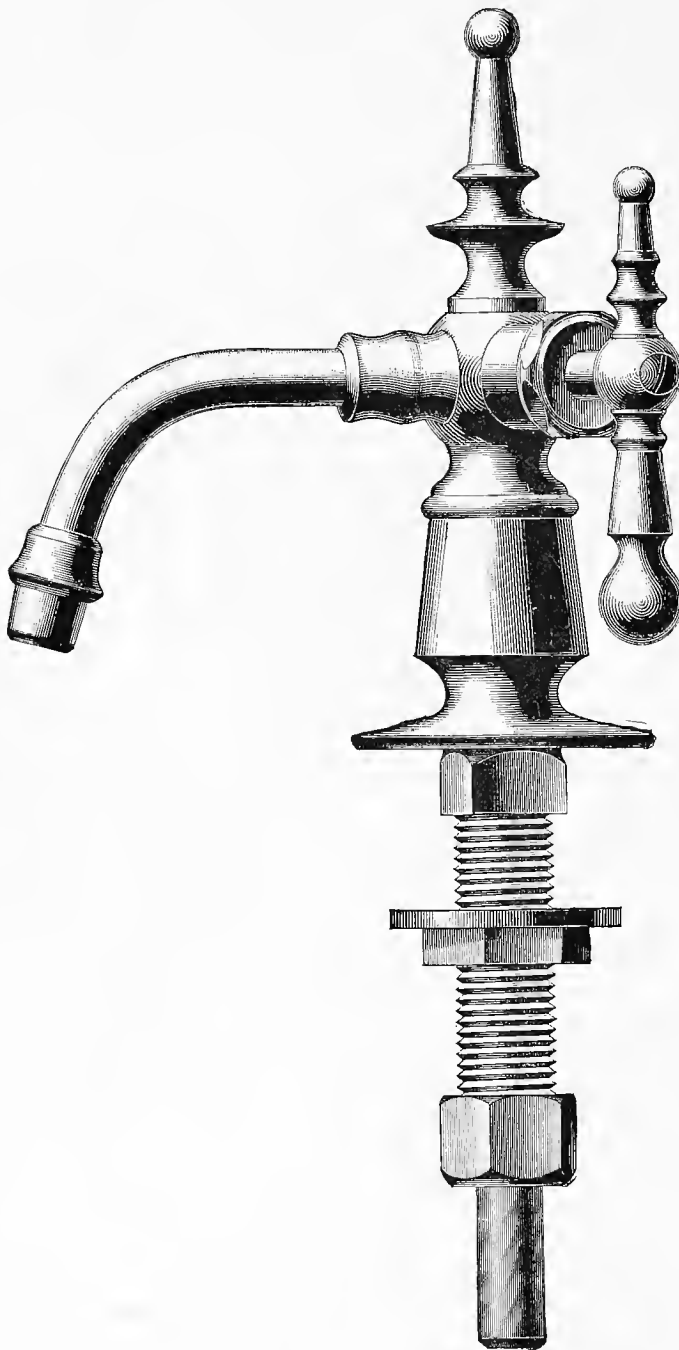


PLATE 190-C.

No. 2½.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

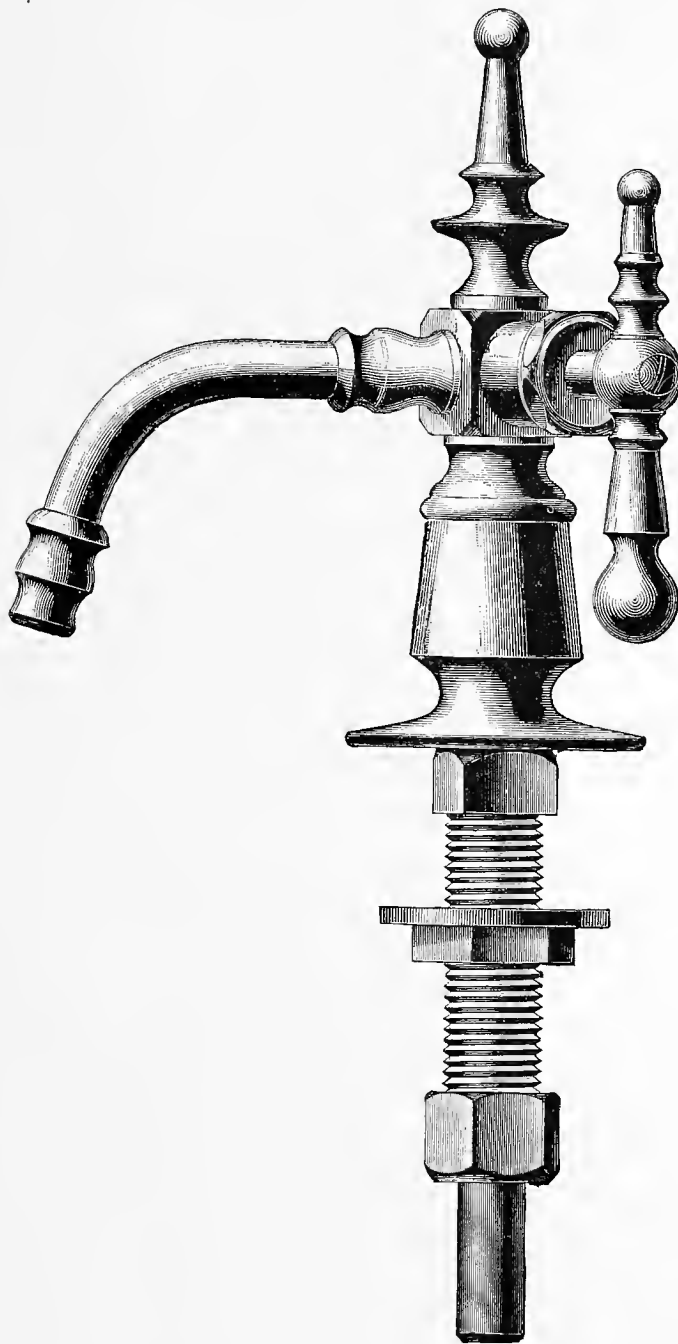


PLATE 191-C.

No. 3.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

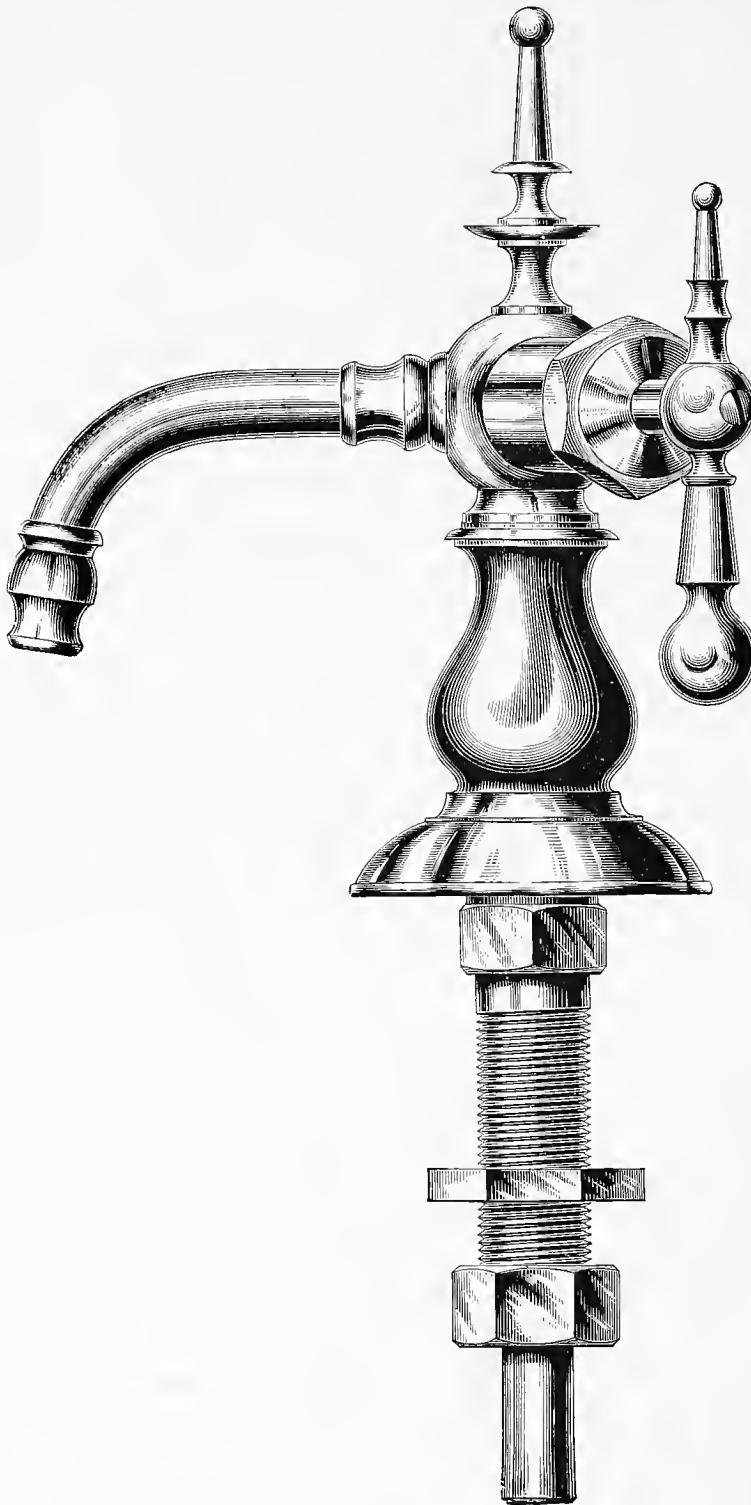


PLATE 192-C.

No. 4.

Made with Ring Cup if desired.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

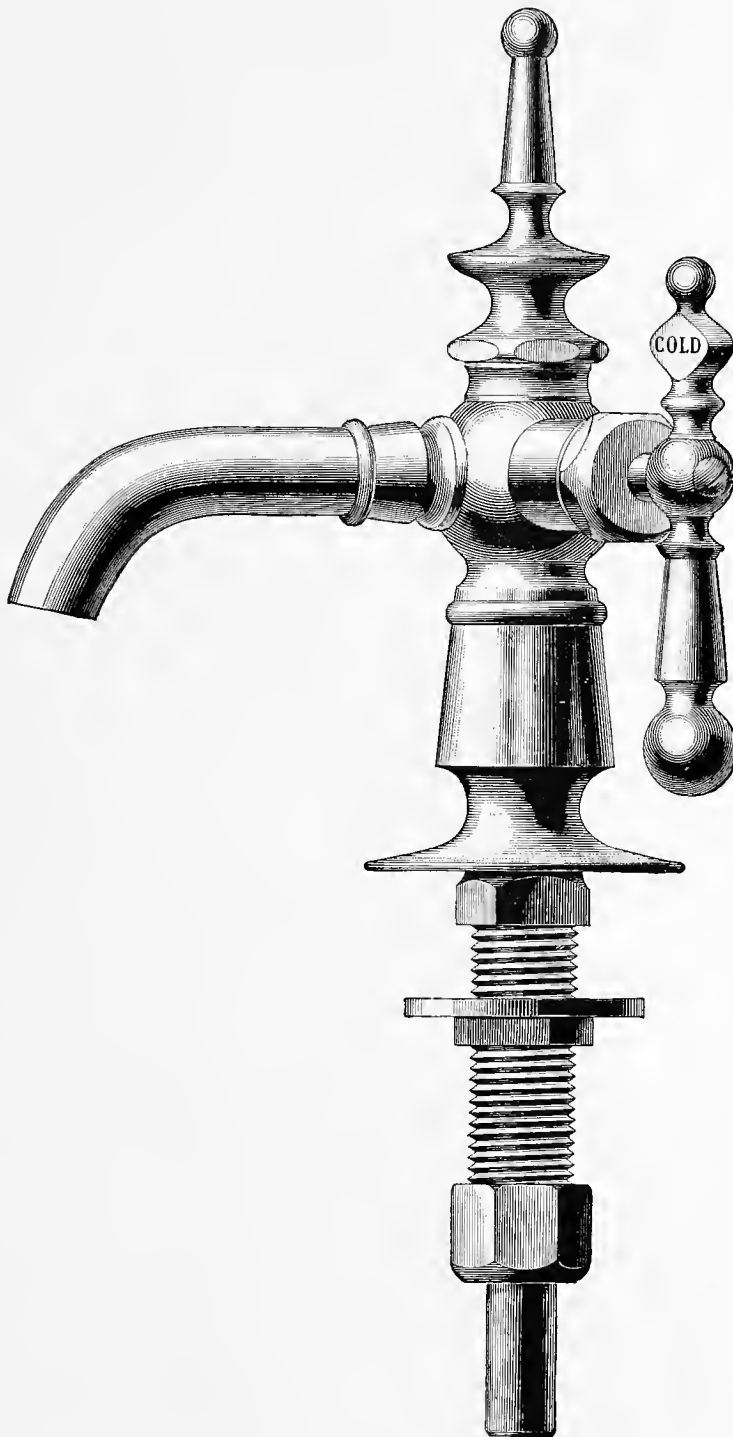


PLATE 193-C.

No. 4½.

Made also with the base of same design as No. 4, designated as No. 4¾.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

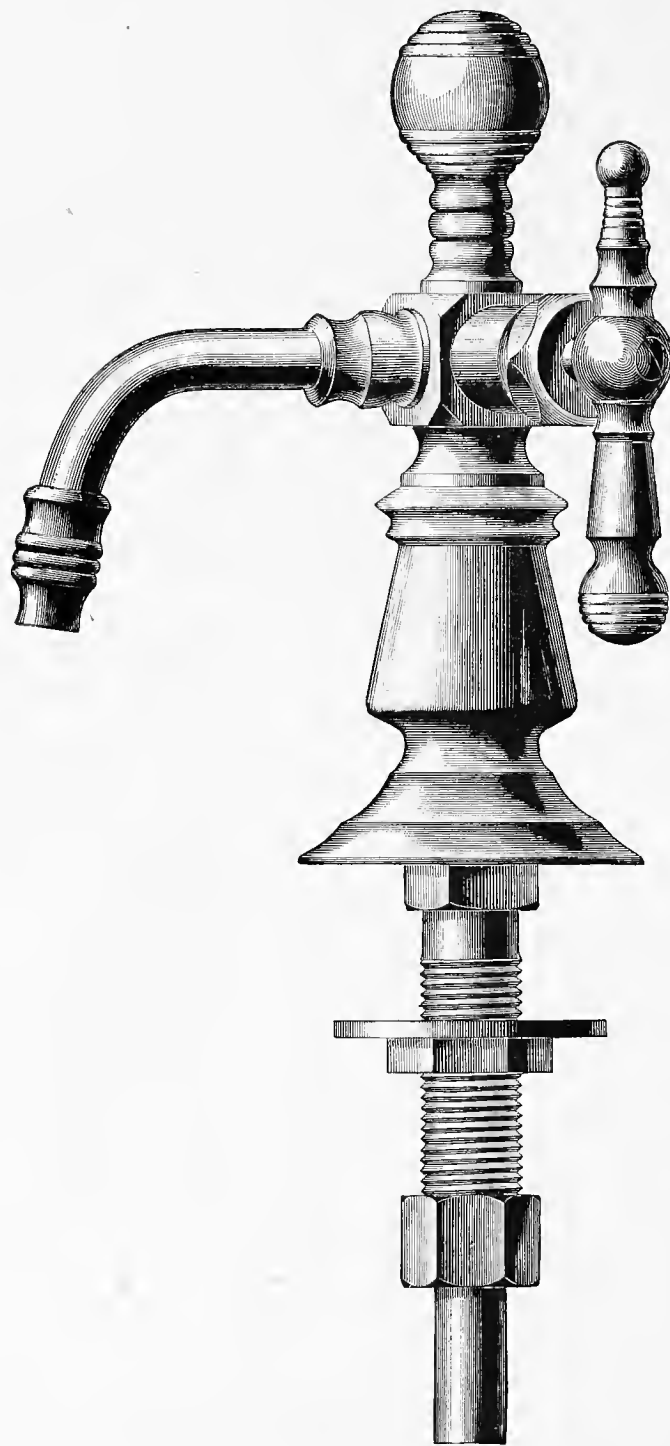


PLATE 194-C.

No. 5.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" LOW DOWN BASIN COCK.



PLATE 195-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" BASIN COCK.

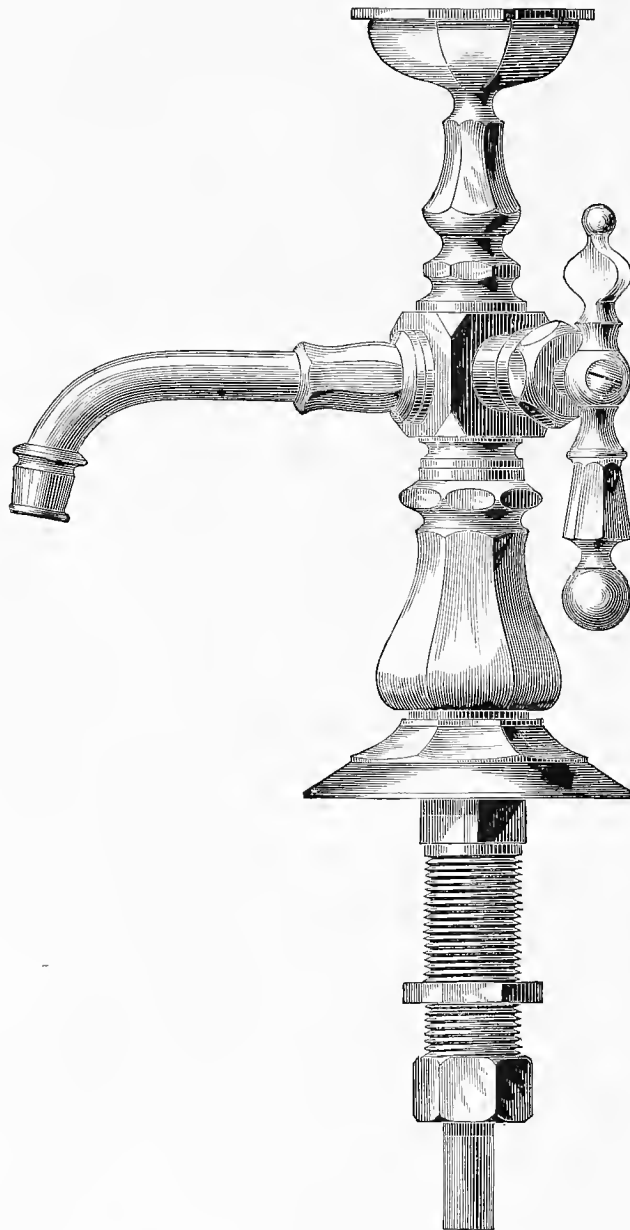


PLATE 196—C.

No. 9.

POLISHED BRASS, NICKEL OR SILVER PLATED.

Height, $8\frac{1}{4}$ Inches. Width of Flange, $3\frac{3}{4}$ Inches.

PANTRY COCKS SAME STYLE.

THE "FULLER" PANTRY COCK.

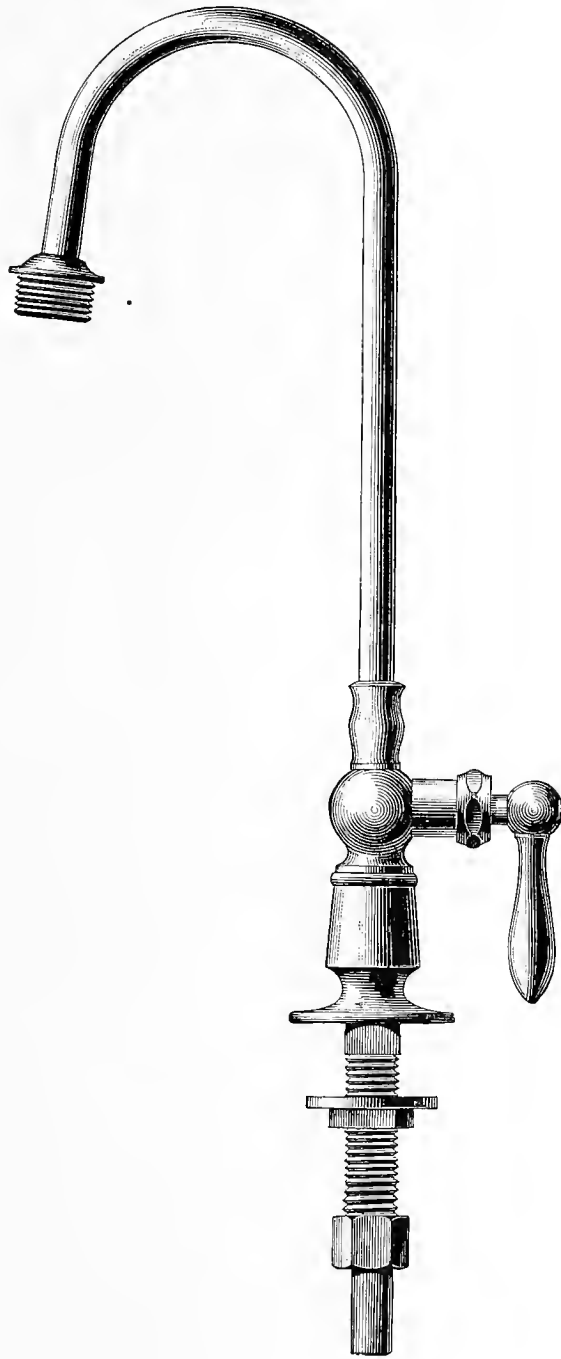


PLATE 197-C.

No. 2.

Nos. 3, 4 and 5 "FULLER" PANTRY COCKS are made with base and handles to correspond with the
"FULLER" BASIN COCK of the same number.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER-MEYER" DOUBLE BATH COCK.

WITH EBONY OR CELLULOID HANDLES.

PATENTED.

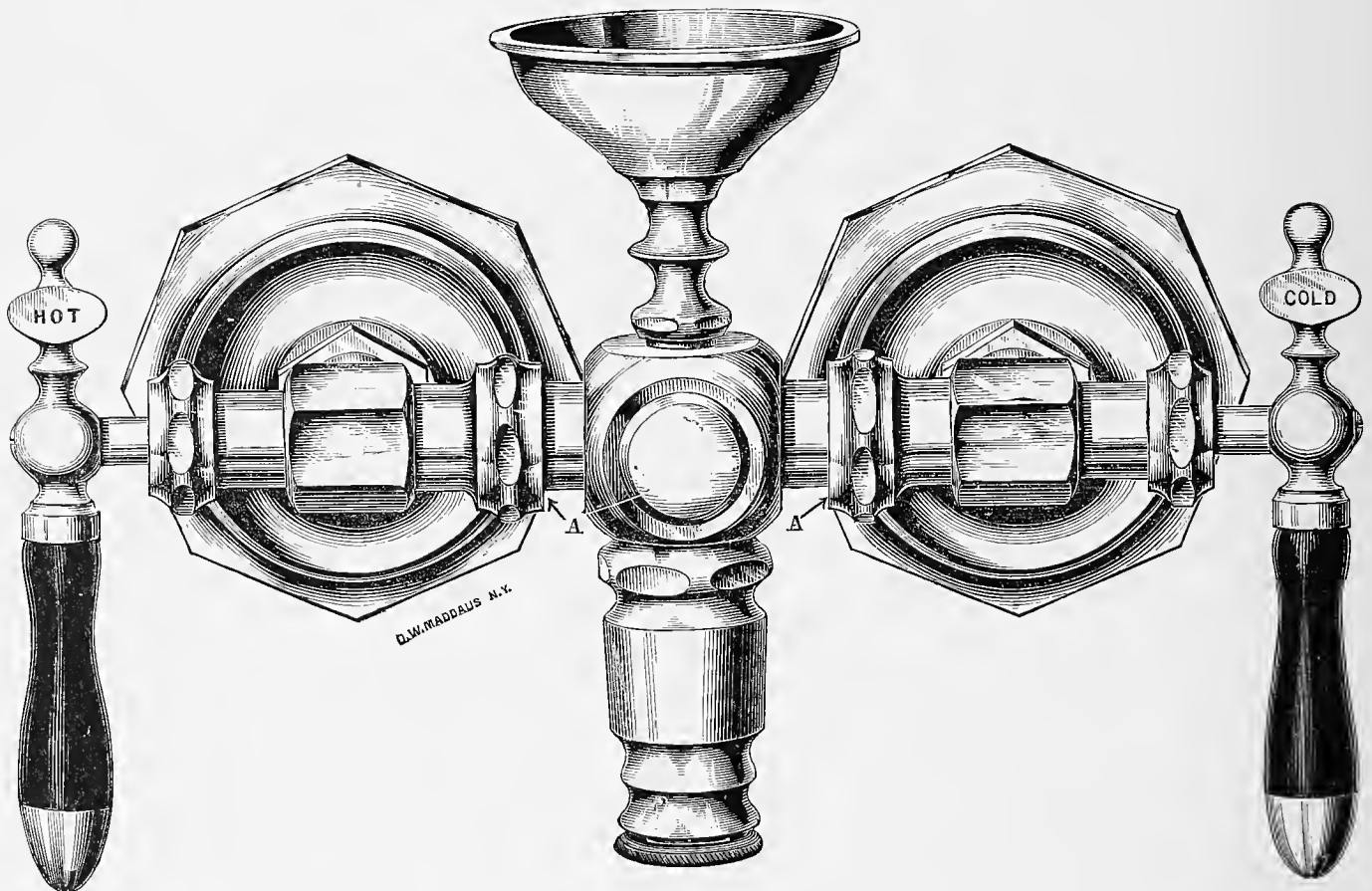


PLATE 198-C.

No. 1.

This cock can be taken apart for repairs without disturbing the connections or the bath tub casing, by simply unscrewing the nut marked "A."

Length over all, 12 inches. 1 inch Delivery. Diameter of Flanges, $4\frac{1}{2}$ inches.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" DOUBLE BATH COCK.

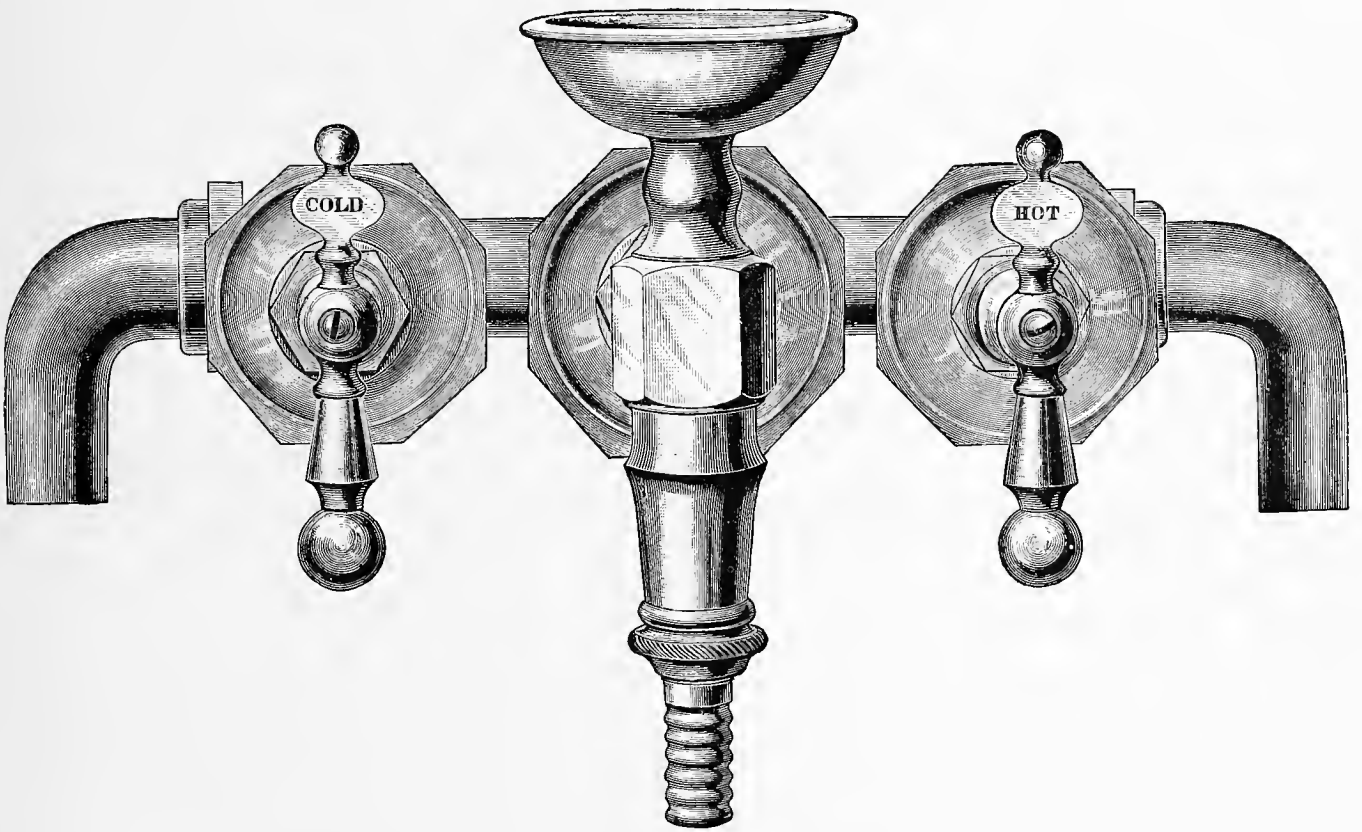


PLATE 199-C.

No. 3.

POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" DOUBLE SHAMPOO COCK.

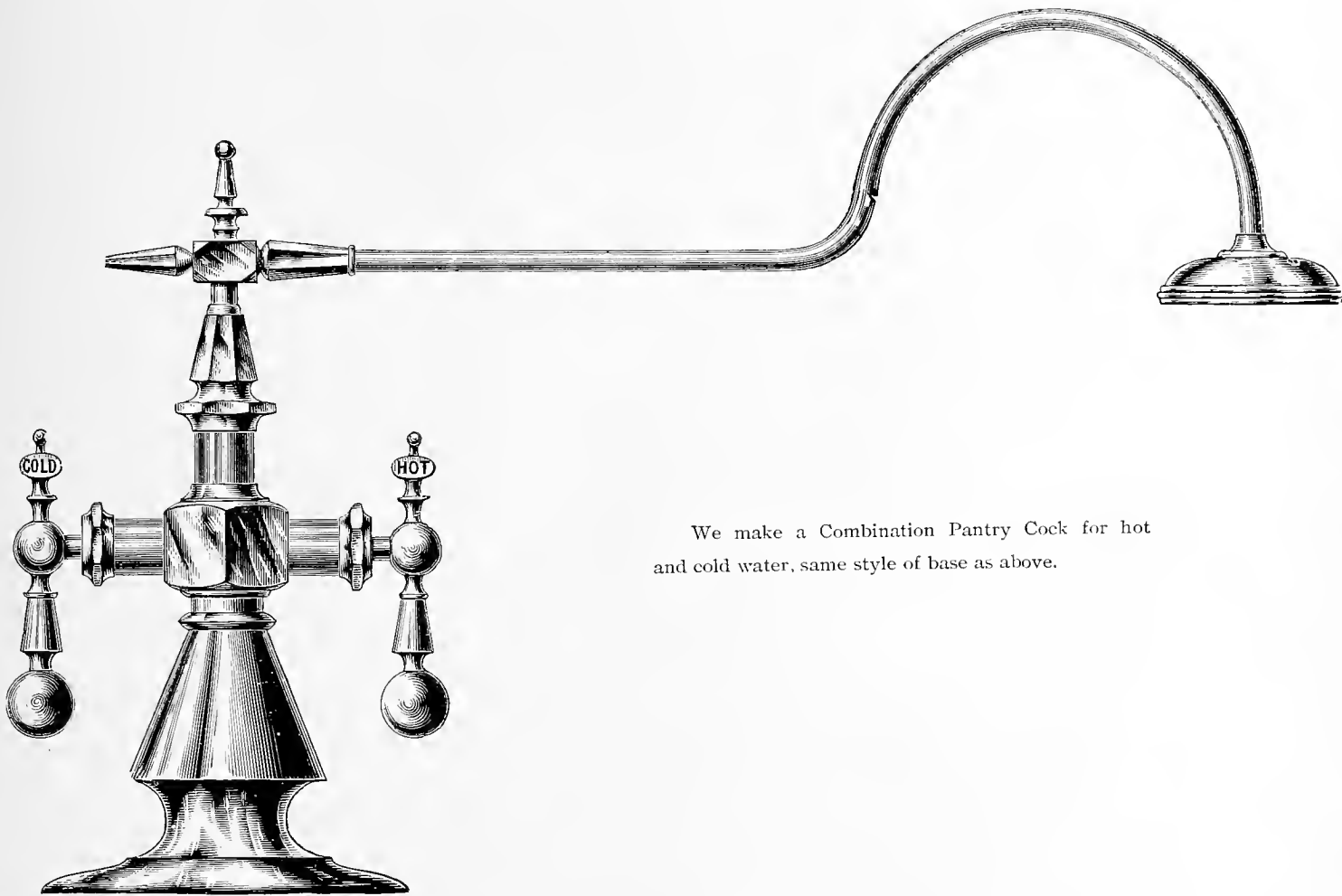
WITH TUBE AND SPRINKLER.



PLATE 200-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER" COMBINATION DOUBLE SHAMPOO COCK.



We make a Combination Pantry Cock for hot and cold water, same style of base as above.

PLATE 201-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "FULLER-MEYER" DOUBLE BASIN COCK.

PATENTED.

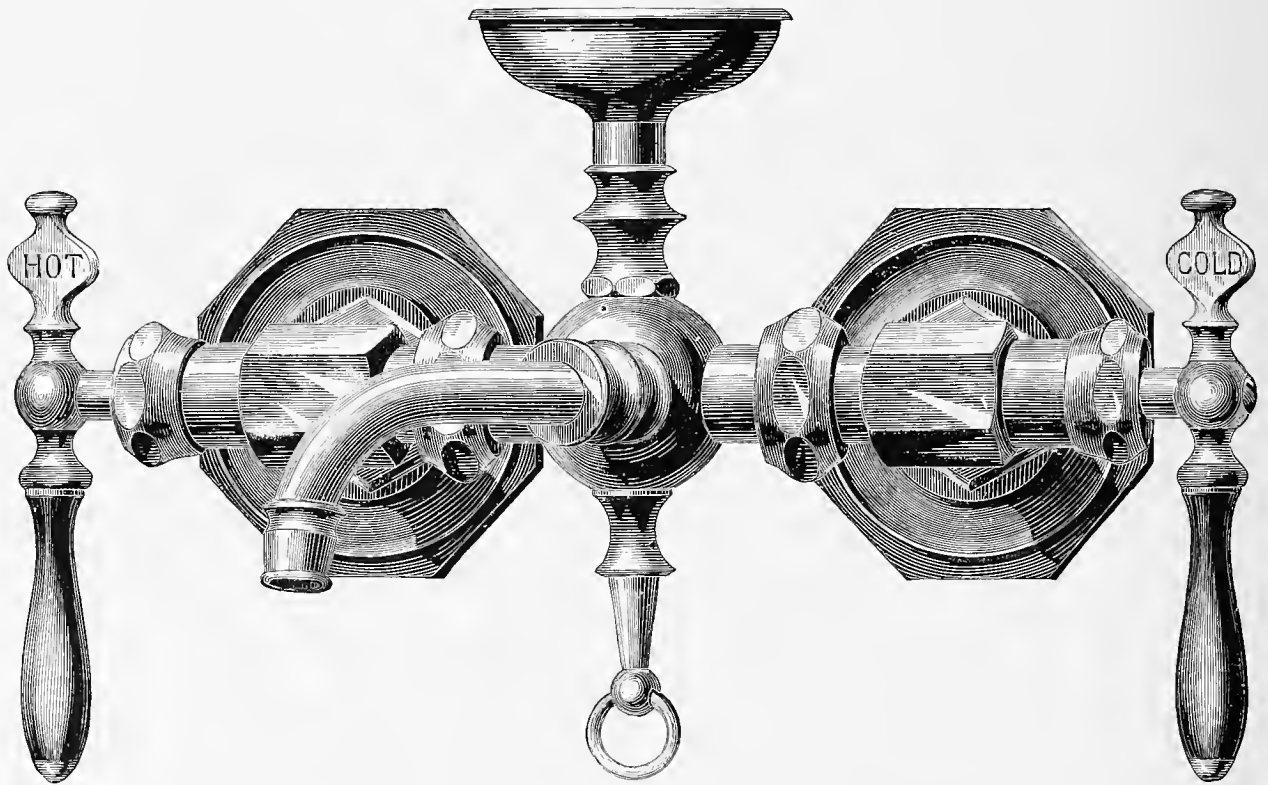


PLATE 202-C.

From centre to centre of Inlet, $4\frac{3}{4}$ inches. Width over all, 10 inches.

Centre of Spout, $6\frac{1}{2}$ inches. Diameter of Flanges, $2\frac{3}{4}$ inches.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

SWING SHAMPOO COCK MADE SAME STYLE.

THE "FULLER-MEYER" PATENT TANK REGULATOR.

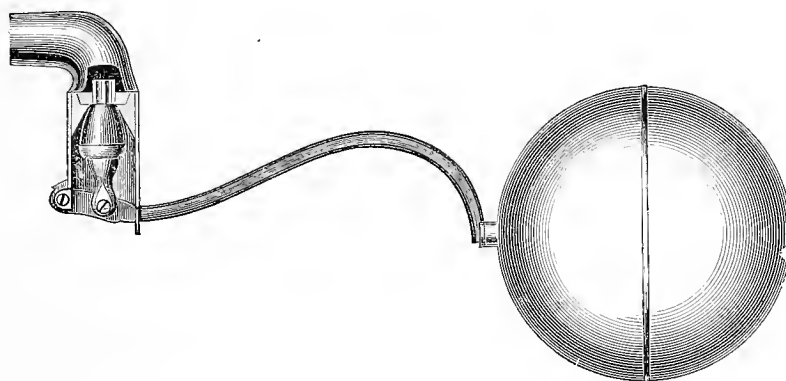


PLATE 203-C.

FURNISHED FOR LEAD OR IRON PIPE.

Sizes, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$, $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inches.

THE "EM-ESS" GROUND KEY FAUCETS.

WE herewith illustrate a few of the many styles of GROUND KEY FAUCETS which we manufacture. The GROUND KEY work made by us and bearing our stamp, is extra heavy in weight, and so proportioned as to secure the maximum of durability. The very best "steam metal" is used in these faucets; they are carefully ground by hand, and in this city (New York), they are guaranteed against leakage for five or more years, and when silver plated by us the plating is warranted for a like period. For convenience in use, no style of faucets for basins is more appreciated than that known as the "GROUND KEY" or "SWING" FAUCET, and when properly made, none is better where the water is free of grit. Of late years competition, and the desire of some builders to sacrifice everything to low prices, has resulted in this class of work being made of cheap metal, from light and improperly proportioned patterns, and hastily ground by machinery. As a consequence these faucets soon leaked, and all GROUND KEY work was looked on with suspicion. The remark has often been made, "Twenty-five years ago we used to get GROUND KEY work that would outlast anything made; why can't we do it now?" We make work of this character, and are prepared to guarantee it.

When ordering or specifying, describe as the "EM-ESS" GROUND KEY work made by THE MEYER-SNIFFEN CO., LIMITED.

THE "EM-ESS" BASIN COCK.

GROUND KEY.

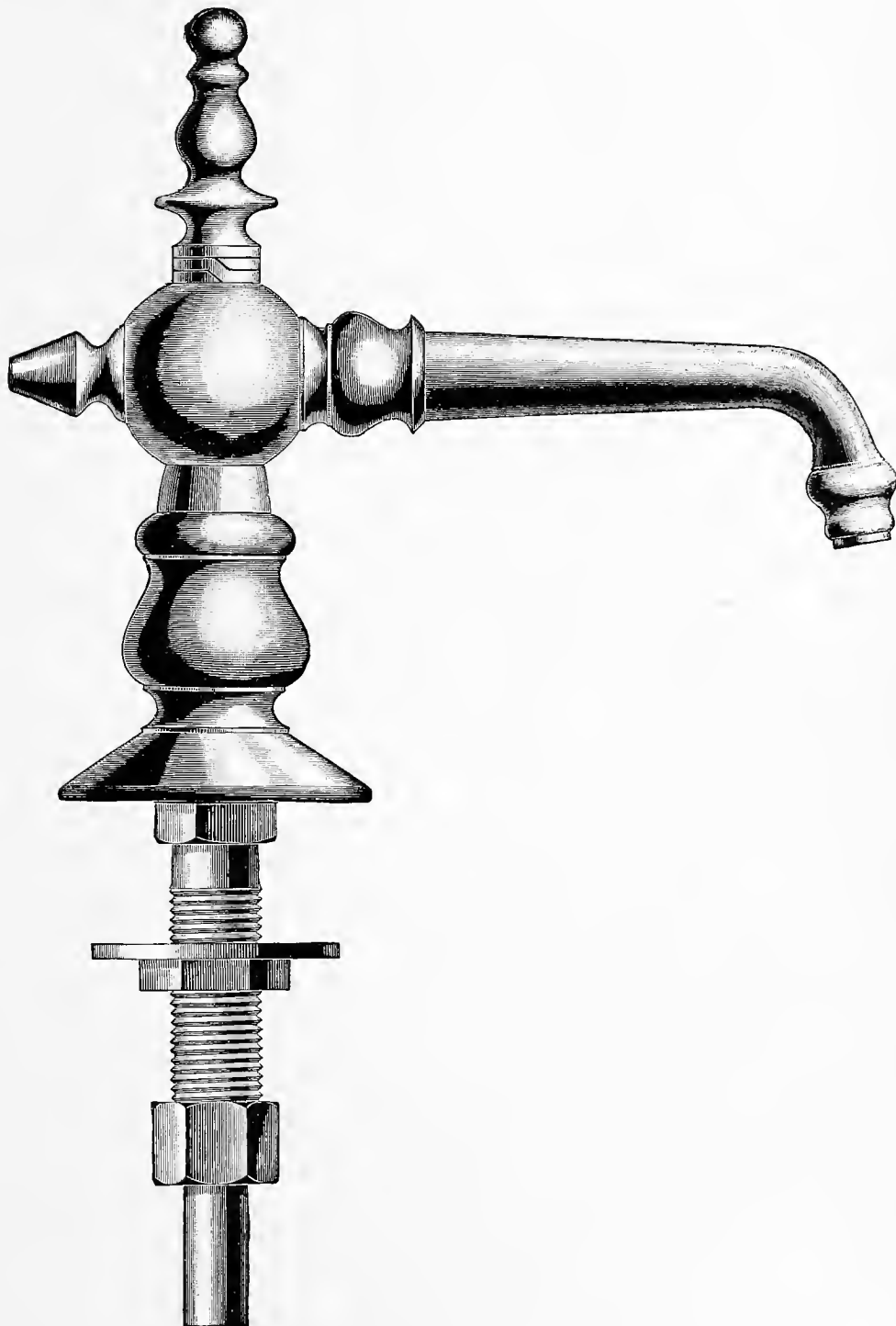


PLATE 204-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "EM-ESS" BASIN COCK.



PLATE 205-C.

No. 2.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "EM-ESS" GROUND KEY FAUCET.

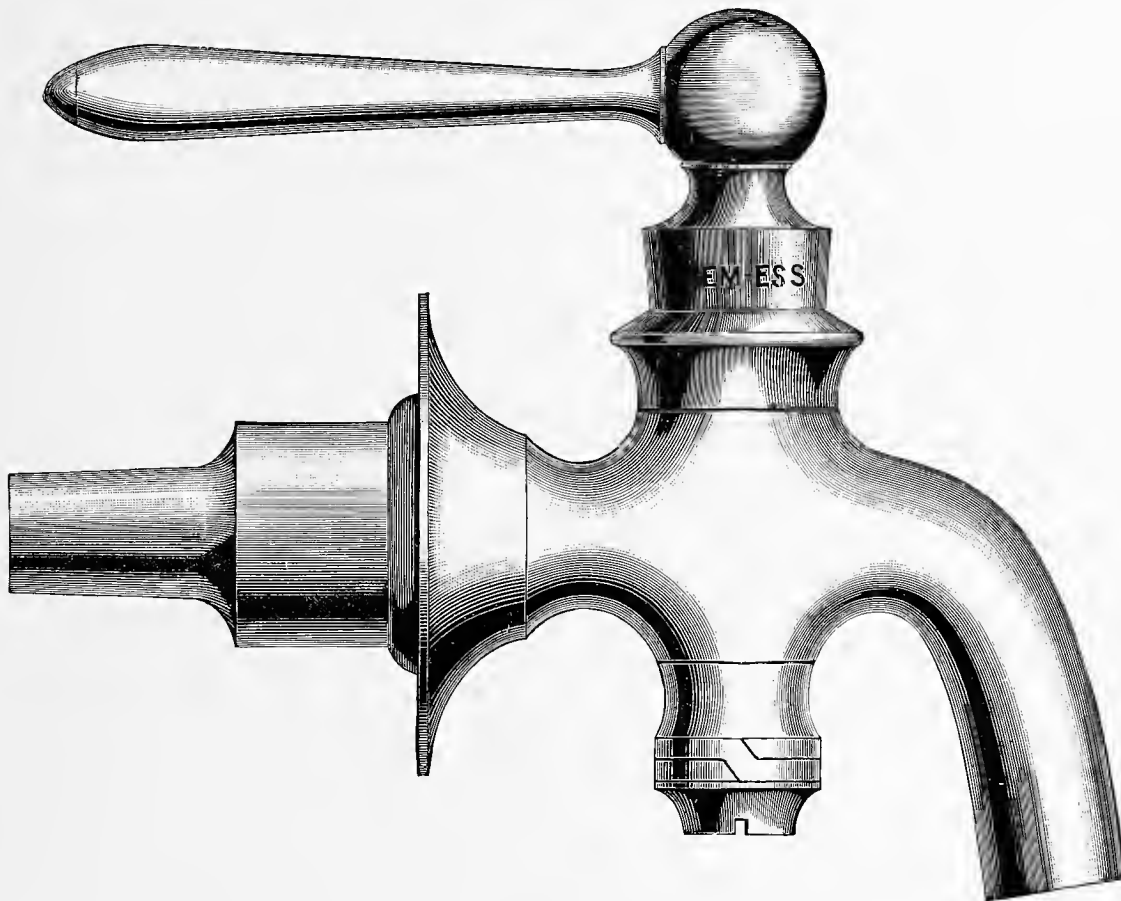


PLATE 206-C.

THE "EM-ESS" PLAIN BIBB WITH FLANGE AND THIMBLE.

GROUND KEY.

The illustration is full size of $\frac{3}{8}$ -inch Bibb.

THE "EM-ESS" PANTRY COCK.

GROUND KEY.

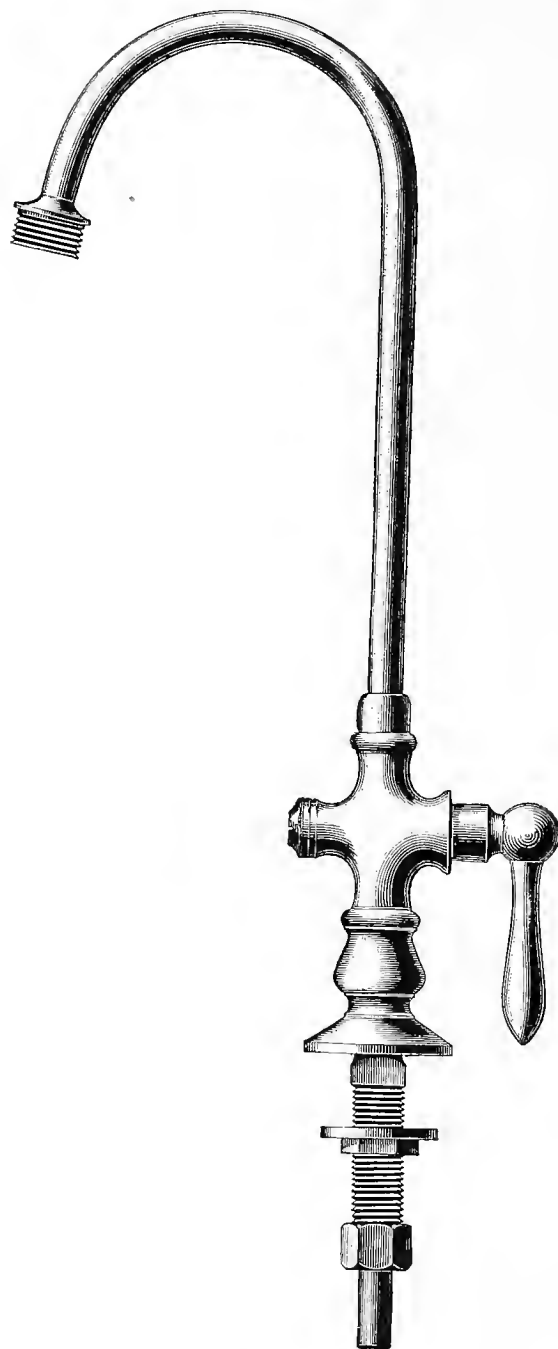


PLATE 207-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "EM-ESS" BRACKET BASIN COCK.

GROUND KEY.

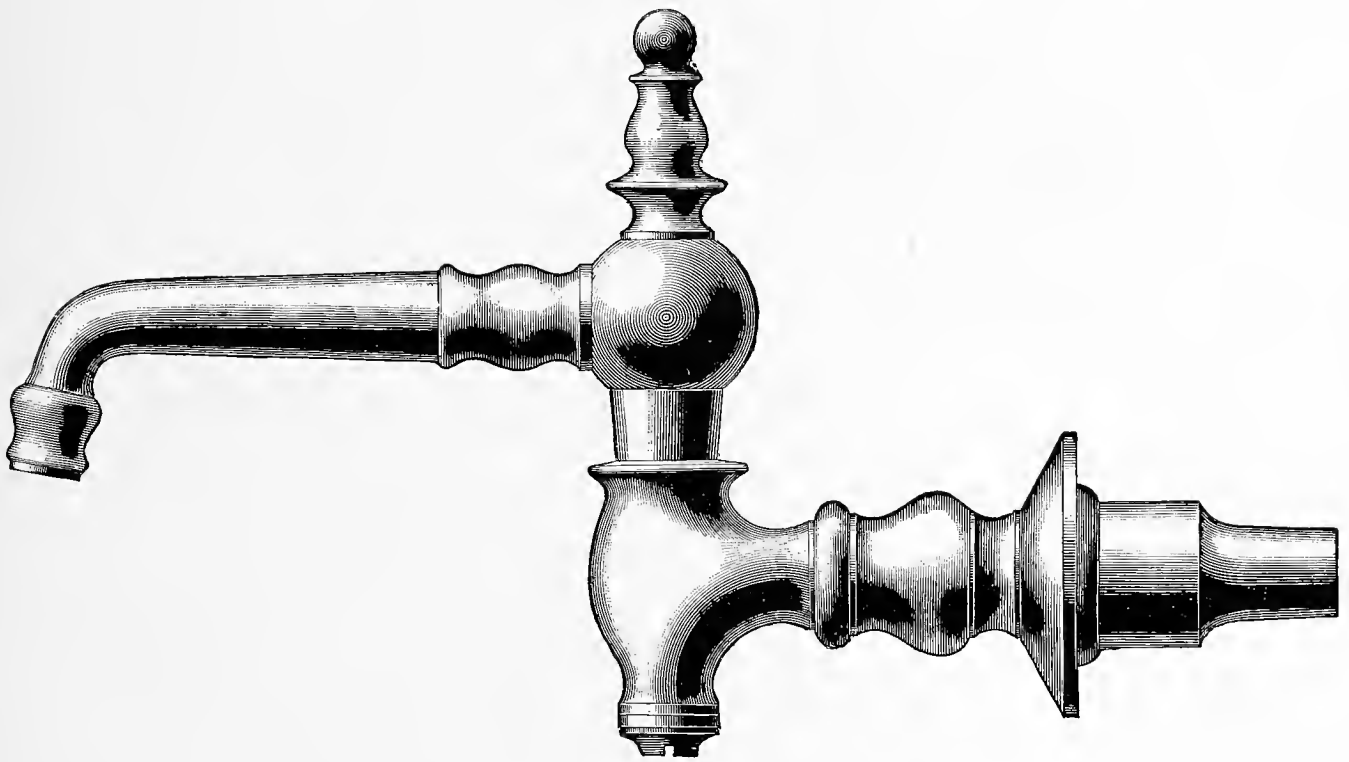


PLATE 208-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "EM-ESS" BRACKET SHAMPOO COCK.

GROUND KEY.

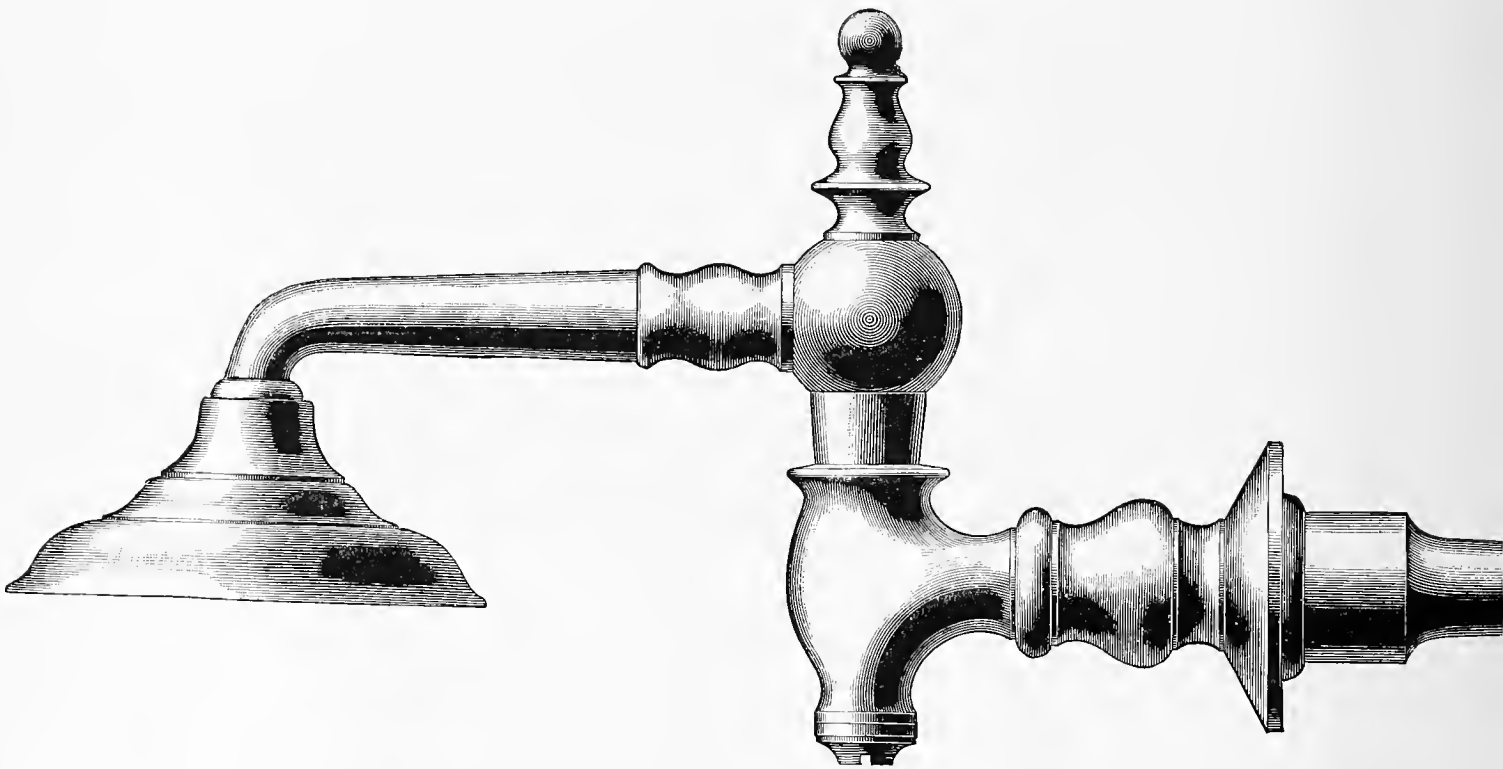


PLATE 209-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "EM-ESS" BATH COCK.

GROUND KEY.

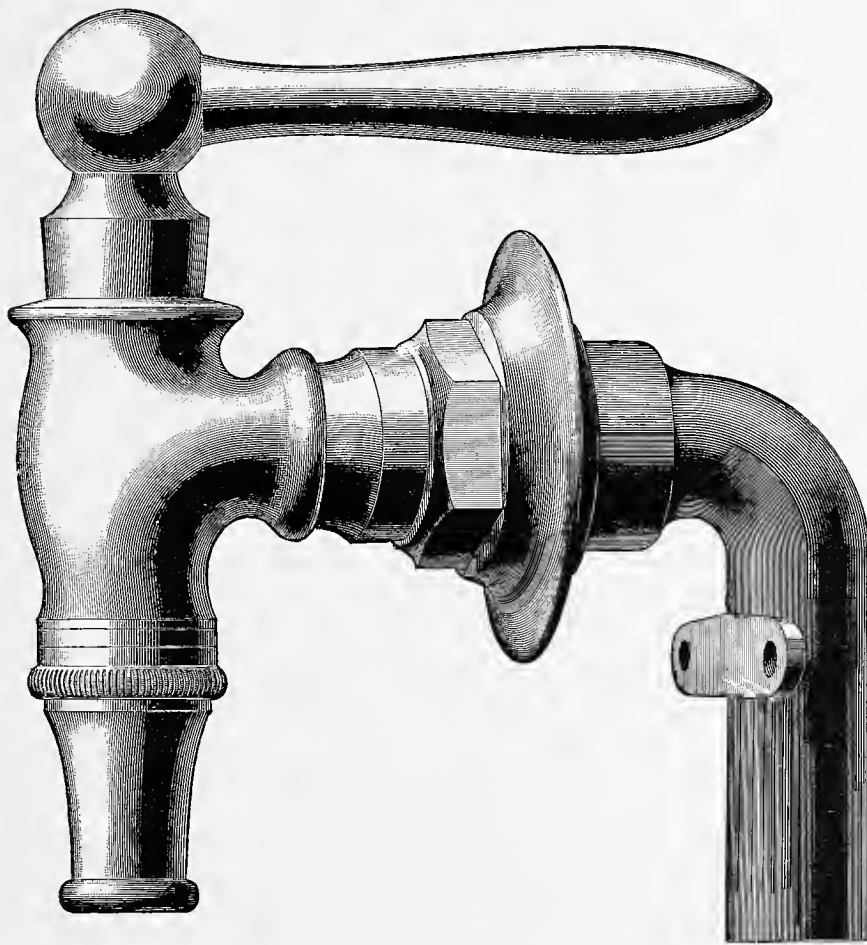


PLATE 210—C

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

Size, $\frac{3}{4}$ -inch.

THE "EM-ESS" PLAIN BIBB.

GROUND KEY.

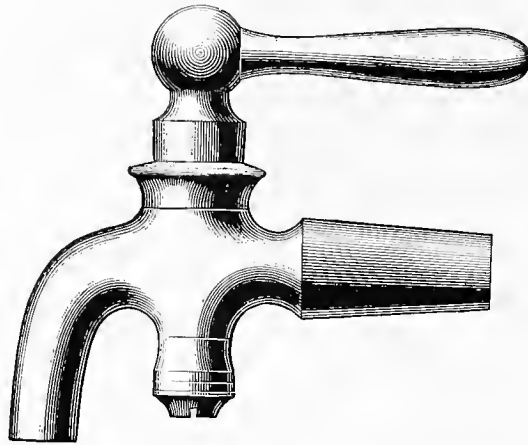


PLATE 211 -C.

THE "EM-ESS" PLAIN BIBB (FOR IRON PIPE).

GROUND KEY.

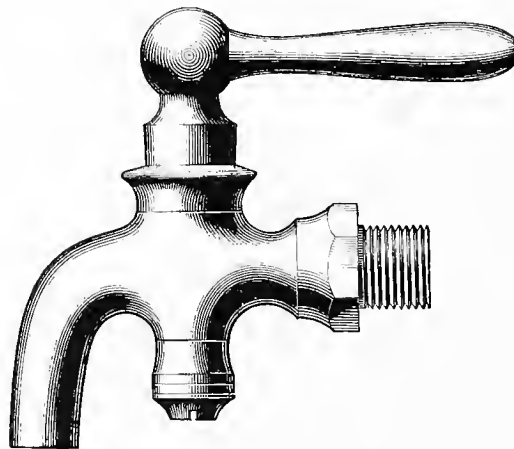


PLATE 212-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

Sizes : $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and 1 inch.

THE "EM-ESS" HOSE BIBB.

GROUND KEY.

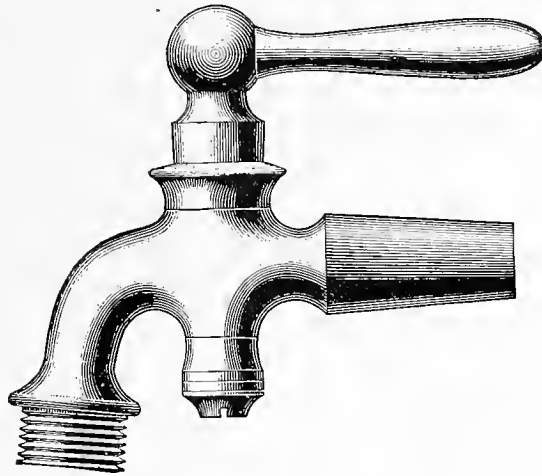


PLATE 213-C.

THE "EM-ESS" HOSE BIBB. (FOR IRON PIPE.)

GROUND KEY.

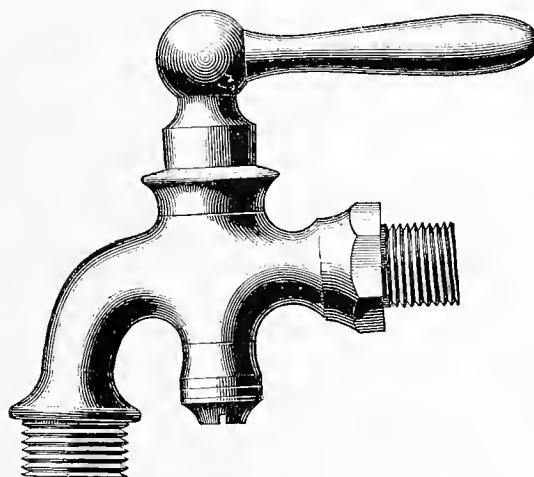


PLATE 214-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

Sizes : $\frac{1}{2}$, $\frac{3}{8}$, $\frac{3}{4}$ and 1-inch.

THE "EM-ESS" PLAIN BIBB.

(FLANGE AND THIMBLE.)

GROUND KEY.

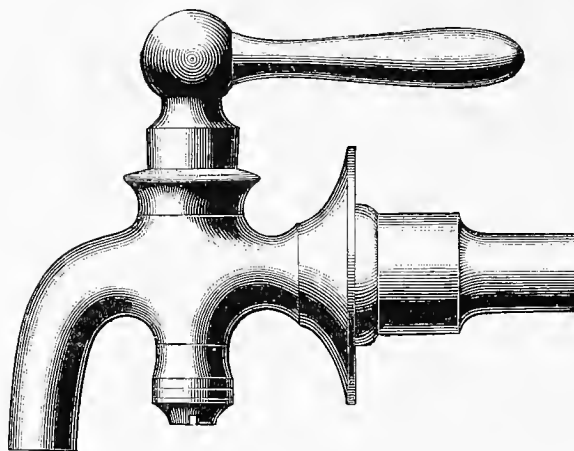


PLATE 215--C.

THE "EM-ESS" HOSE BIBB.

(FLANGE AND THIMBLE.)

GROUND KEY.

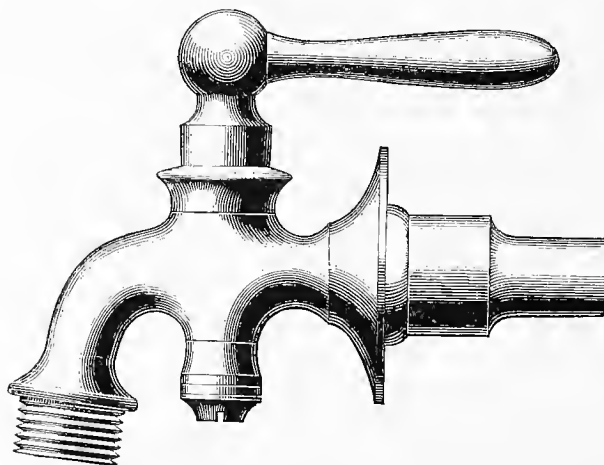


PLATE 216--C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED,

THE "EM-ESS" WASH-TRAY BIBB.
GROUND KEY.

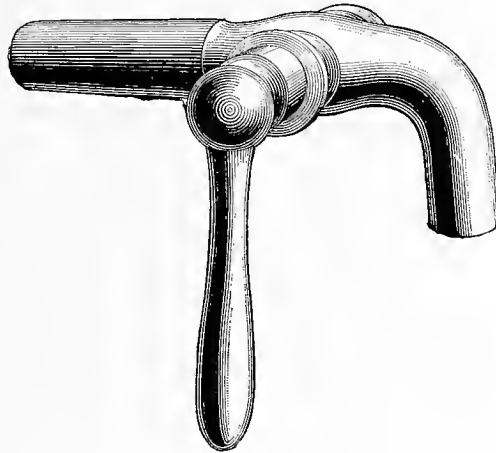


PLATE 217-C.

THE "EM-ESS" WASH-TRAY BIBB.
(FLANGE AND THIMBLE.)
GROUND KEY

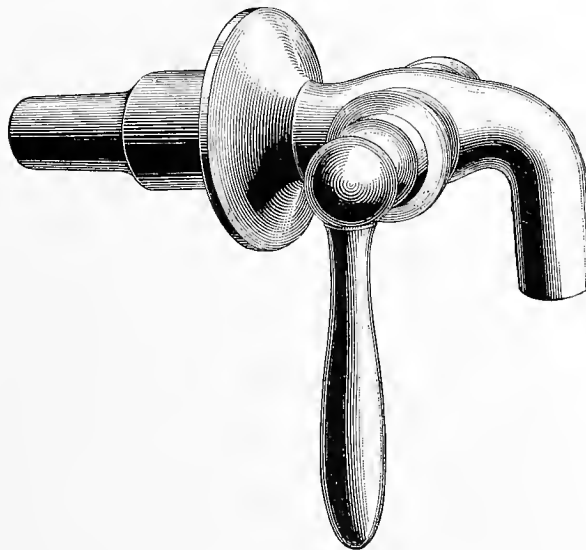


PLATE 218-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

COMPRESSION BASIN COCK.

WITH LARGE NOZZLE.



PLATE 219-C.

T-HANDLE.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

COMPRESSION BASIN COCK.

WITH LARGE NOZZLE.



PLATE 220-C.

4-ARM HANDLE.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "MURDOCK" HYDRANT.

PATENTED.

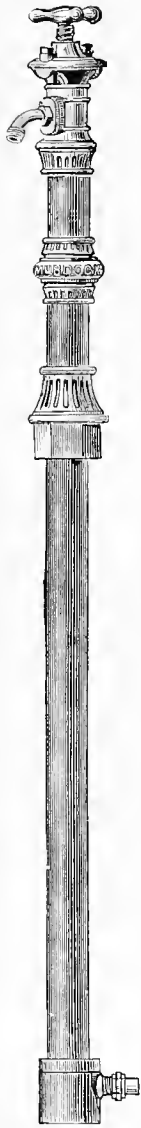


PLATE 221-C.
WHEEL HYDRANT.

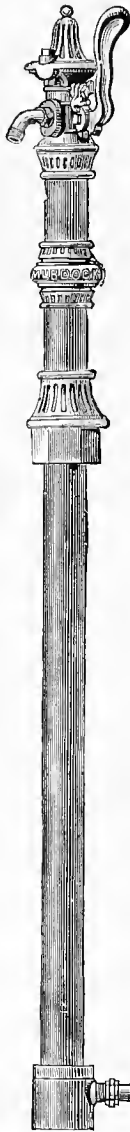


PLATE 222-C.
SELF-CLOSING
HYDRANT.

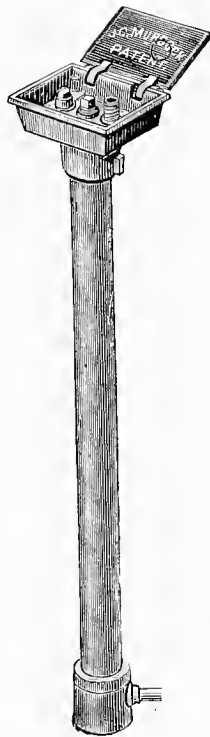
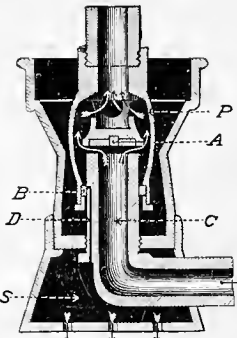


PLATE 223-C.
STREET WASHER.



SECTIONAL VIEW OF THE VALVE.

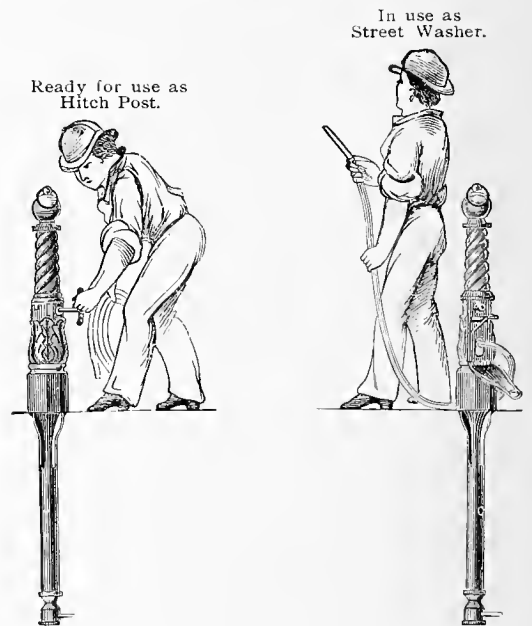


PLATE 224-C.
HITCHING POST AND STREET WASHER COMBINED.

It is almost needless to call attention to the merits of this hydrant, which has been so many years known as the best in the market. As there are many imitations, alleged to be just as good, or the same, as the "MURDOCK," be sure to ask for the "MURDOCK," manufactured by the Meyer-Sniffen Co., Limited.

THE "RAJAH" SELF-CLOSING FAUCETS.

IN some cities the use of a self-closing faucet, in which the valve closes with the pressure, is made compulsory.

It is obvious to those that are familiar with the construction of water-cocks that, other things being equal, a valve closing with the pressure is the least likely to leak or get out of order. Heretofore self-closing faucets made on this principle have had the valve so combined with a spring or packing as to cause the faucet to either "stick" and stay open after having been in use a short time, or leak through the cap. In the "RAJAH," by the ingenious arrangement of the working parts, the inventor has been able to dispense with both *spring* and *packing*, and has produced a faucet that is destined to become very popular for all situations where the water pressure exceeds ten pounds to the square inch. It has been in satisfactory use in Kansas City for upwards of two years, and we offer it to the public with confidence.

THE "RAJAH" SELF-CLOSING BASIN COCK.

PATENTED.

Closing with the Pressure, Without Spring, No Packing Required at Cap.

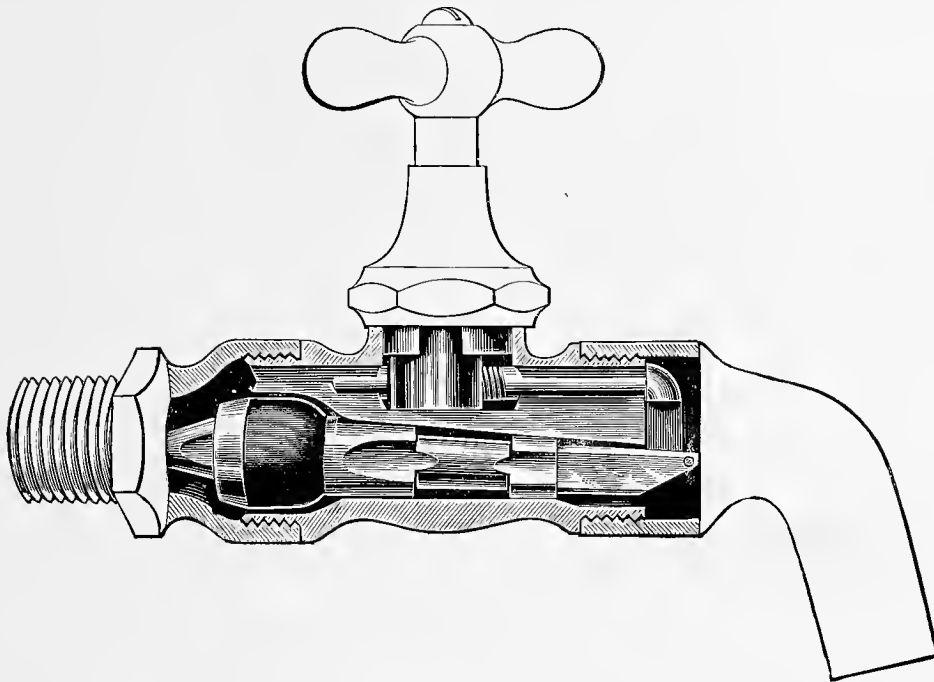
PLATE 225-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

The wheel handle being the least likely to be tied or fastened open is therefore adopted for the "RAJAH" BASIN COCK. If the 4-arm or T-handle is preferred it can be furnished.

THE "RAJAH" SELF-CLOSING FAUCET.

PATENTED.



SECTIONAL VIEW.

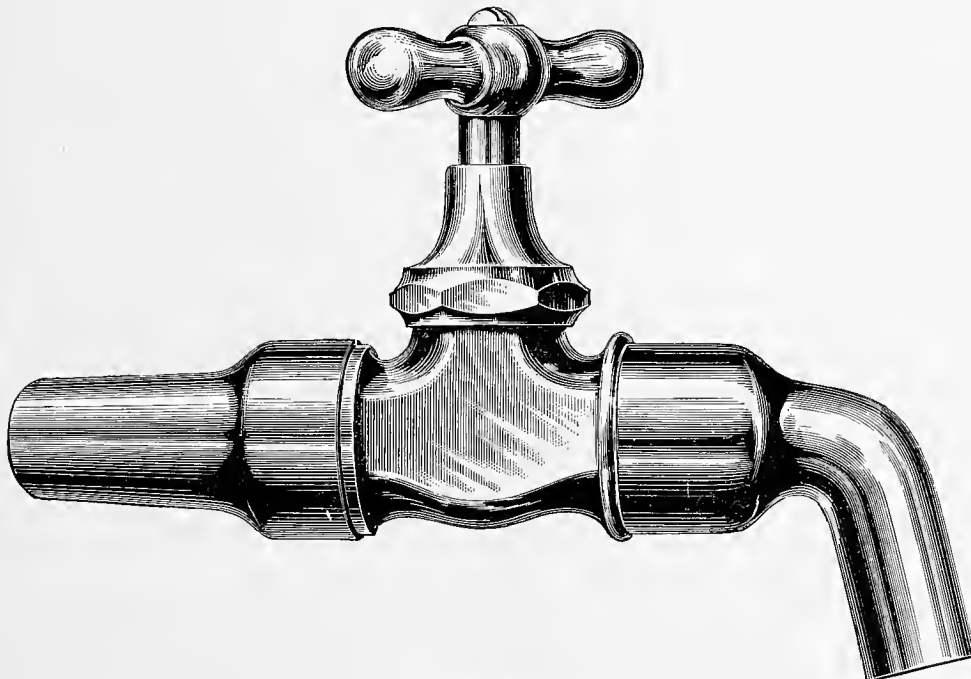


PLATE 226-C.

For Lead Pipe. Size, $\frac{5}{8}$ -inch.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

THE "RAJAH" SELF-CLOSING COCK closes with the pressure and has no spring or cap packing; the valve is made like the "Fuller." It is so constructed that it cannot leak out of the cap.

THE "RAJAH" SELF-CLOSING FAUCET.

PATENTED.

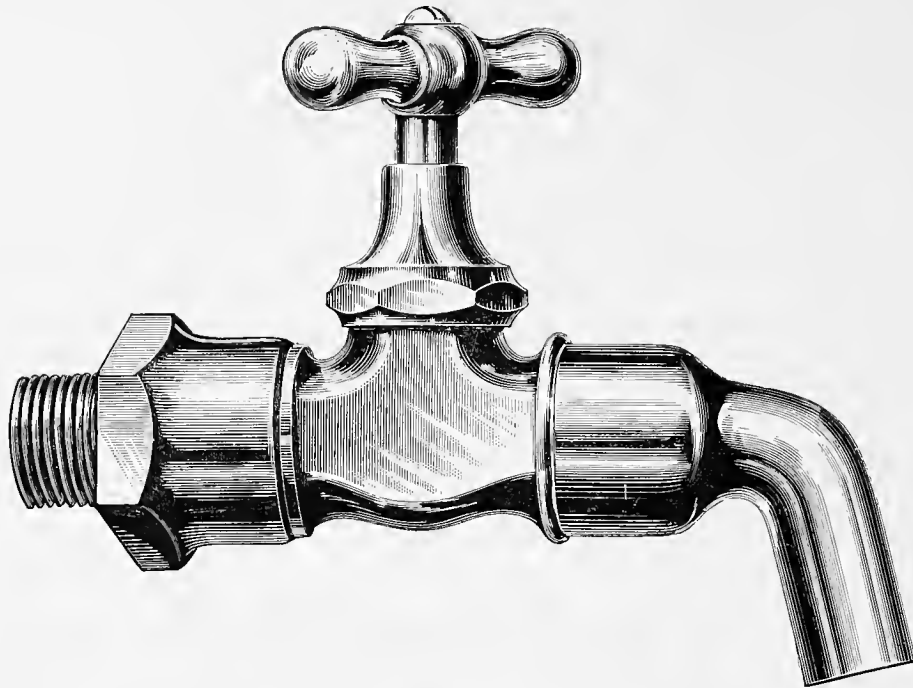


PLATE 227-C.

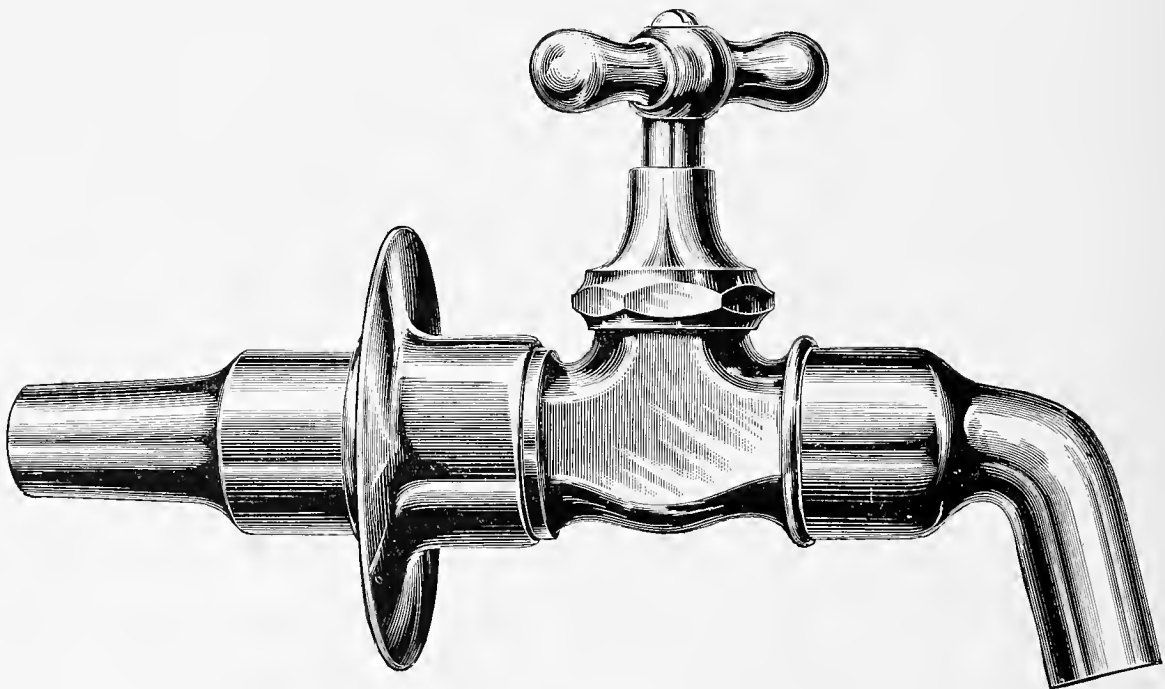
For Iron Pipe, Size $\frac{5}{8}$ -inch.

PLATE 228-C.

FURNISHED IN POLISHED BRASS, NICKEL OR SILVER PLATED.

Flange and Thimble: Size $\frac{5}{8}$ -inch.

THE "RAJAH" SELF-CLOSING COCK closes with the pressure and has no spring or cap packing; the valve is made like the "Fuller." It is so constructed that it cannot leak out of the cap.

THE "GIBSON" URINAL APPARATUS.

PATENTED.

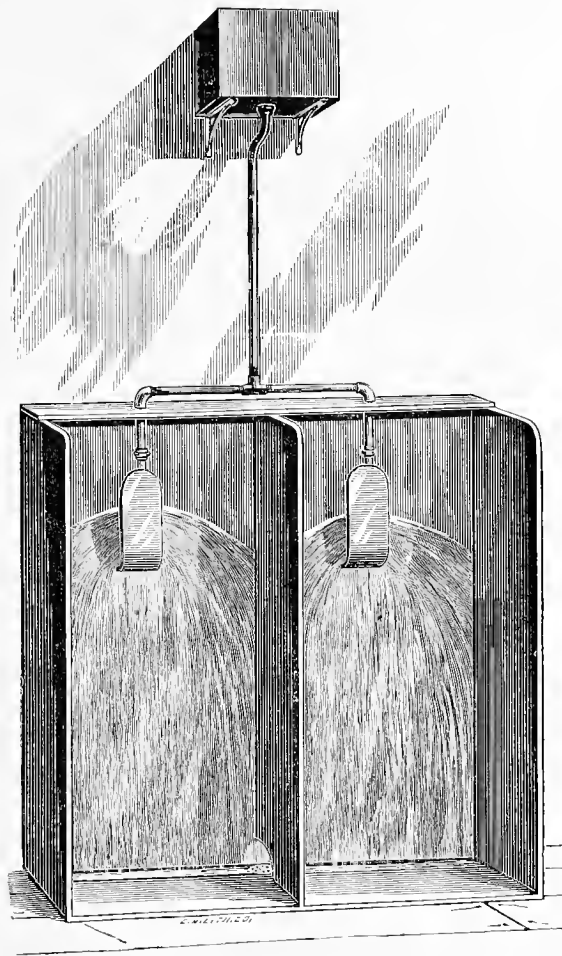


PLATE 227-C.

The illustration shows a Urinal Stall of two sections fitted with the "GIBSON" SPRAY JET, operated by the "Parsons" periodic flush tank.

The "GIBSON" URINAL SPRAY JET is a simple device to distribute the flushing water down the back wall of the urinal stall. It thoroughly wets the entire surface, and is so constructed as to avoid any splashing.

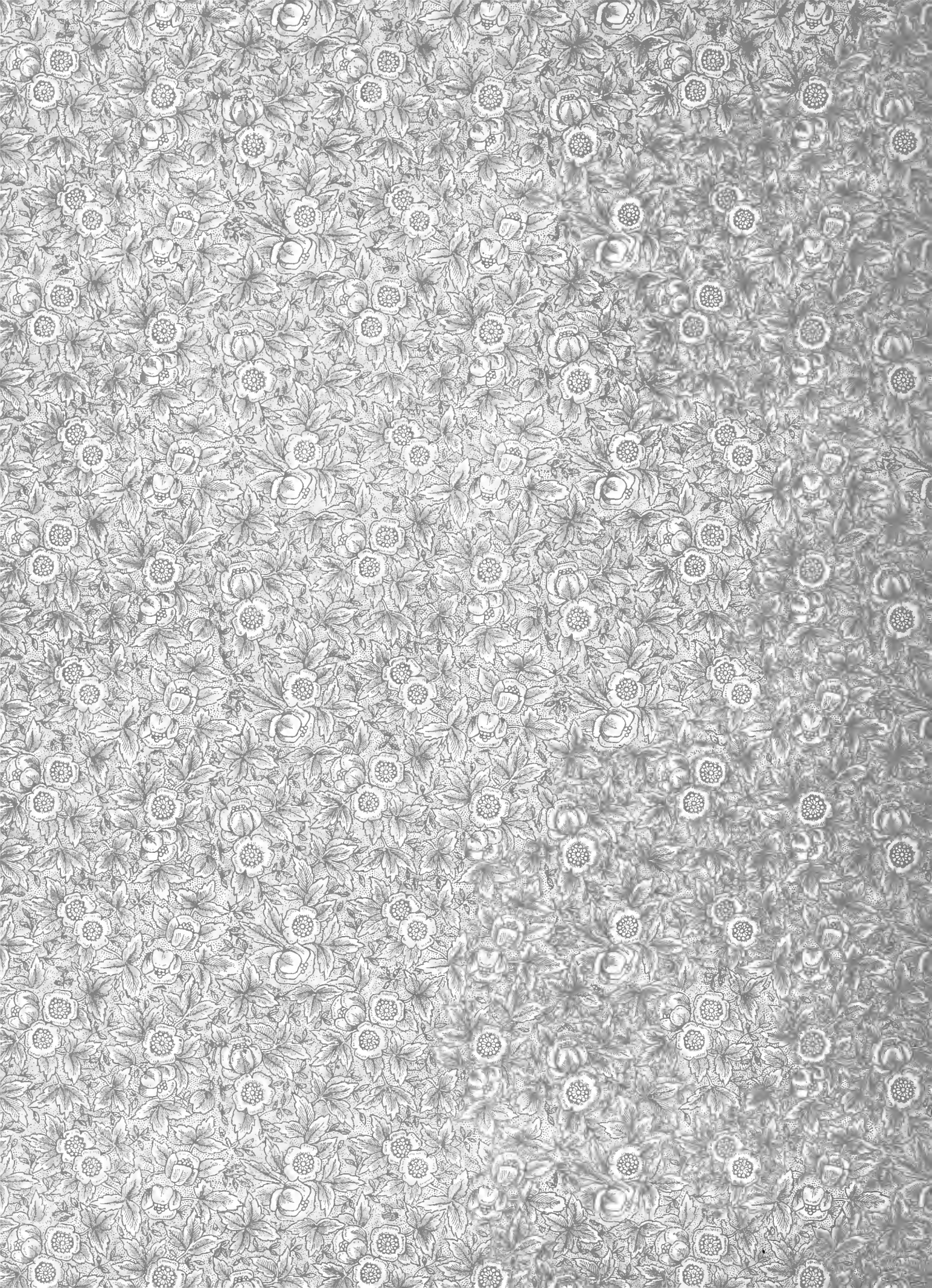
Heretofore flushing devices for urinals of this character have been made of a length of pipe either perforated, or with little tubes to throw jets of water against the upper part of the slab; they have been liable to stoppages, and are open to the objection also of splashing, which is entirely obviated in the "Gibson" arrangement.

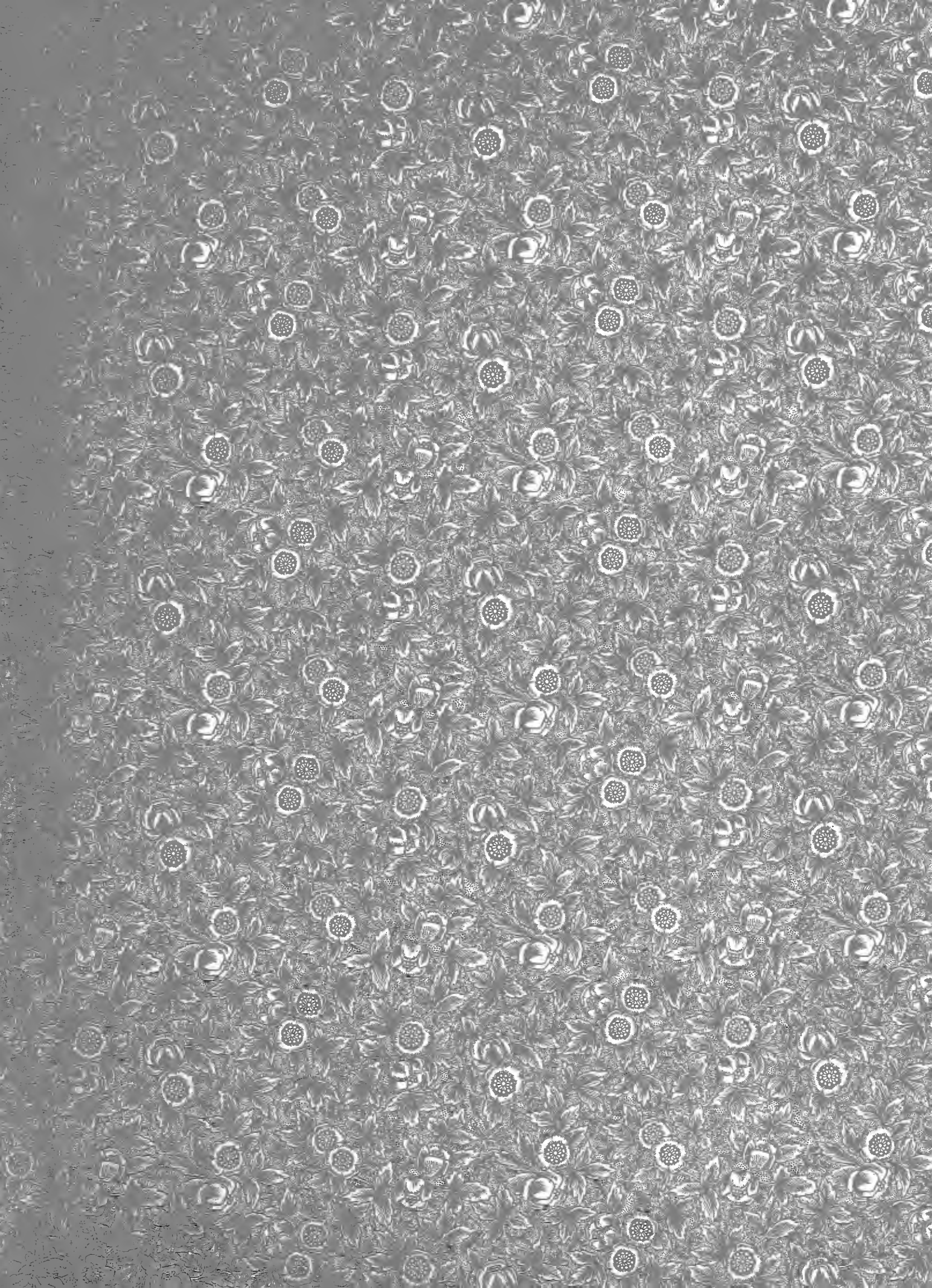
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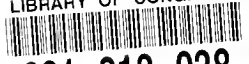
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